UNION UNIVERSITY

Bulletin

1964
1965

OLUME LXII February, 1964 No. 1

Bulletin of

UNION UNIVERSITY

JACKSON, TENNESSEE

One Hundred Fortieth Year

FOREWORD

JNION'S PURPOSE is to train young men and women in an environment hat makes for both high scholarship and Christian character. For more han one hundred years the college has been sending its graduates out to ssume places of leadership in all fields of service.

Attendance at Union is a privilege, and this privilege may be forfeited y any student who does not conform to its traditions and regulations, r who is not willing to adjust himself to its environment.

FULLY ACCREDITED

by

SOUTHERN ASSOCIATION OF COLLEGES AND SECONDARY SCHOOLS

MEMBER AMERICAN COUNCIL ON EDUCATION

MEMBER ASSOCIATION AMERICAN COLLEGES

MEMBER AMERICAN ASSOCIATION COLLEGIATE REGISTRARS AND ADMISSIONS OFFICERS

MEMBER AMERICAN ASSOCIATION OF COLLEGES FOR TEACHER EDUCATION

and TENNESSEE COLLEGE ASSOCIATION

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M•COWAT-MERCER, JACKSON, TENN.

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CALENDAR

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JANUARY

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JANUARY

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UNION UNIVERSITY CALENDAR — 1964-65

Summer Term, 1964

June 7, Sunday (2:00 P.M.) .....Residence Halls Open

June 8, Monday .....Registration, Summer Term

June 9, Tuesday .....Class Work Begins

June 10, Wednesday .....Last Day for Entering Classes

July 11, Saturday .....First Term Summer School Closes

July 13, Monday .....Registration, Second Summer Term, Classes Begin

July 15, Wednesday .....Last Day for Entering Classes

August 15, Saturday (6:00 P.M.) ....Residence Halls Close*

* Students who are permitted to remain in residence halls for work other than school employment, or other emergencies will be charged $1.00 per day extra rent.

First Semester, 1964-65

September 11, Friday .....Faculty Workshop

September 9-12, Wednesday through Saturday Noon ..... B.S.U. Retreat

September 13, Sunday (1:00 P.M.) ....Residence Halls Open

September 13, Sunday—Evening Meal

September 14-15, Monday (9:00 A.M.), Tuesday ...Counseling and Registration of Freshmen. Late registration fee of $5.00 will be charged freshmen who do not arrive for the counseling period, Monday, September 14.

September 14, Monday .....Fraternity Rushing Begins, Closes Thursday, October 1

September 16-17, Wednesday (8:00 A.M.) Thursday ..Counseling and Registration of Upper Classmen. Late registration fee of $5.00 will be charged upper classmen after 5:00 P.M., September 17.

September 18, Friday .....Class Work Begins

September 21, Monday .....Opening Convocation

September 24-25, Thursday, Friday .....Last Day for Entering Tuesday, Thursday classes and Monday, Wednesday, and Friday classes respectively.

September 24, Thursday ....Faculty and President's Reception

October 2, Friday .....Last Day to Apply for Honors Program for First Semester

October 16, Friday .....Last day for dropping a cour without penalty. (See regulation on page 70).

November 25, Wednesday (6:00 P.M.) ...Residence Halls Clo for Thanksgiving Holidays.

November 25-29 (inclusive) .....Thanksgiving Holida

November 29, Sunday (2:00 P.M.) ....Residence Halls Ope

December 15, Tuesday .....Faculty Smorgasbo

December 18, Friday .....Christmas Music Festiv

December 19-January 3, 1965 (inclusive)...Christmas Holida

January 3, Sunday (2:00 P.M.) .....Residence Halls Ope

January 4, Monday .....Classes Resum

January 25-29, Monday through Friday.....Semest Examinations

January 29, Friday (6:00 P.M.) .....Residence Halls Close

February 3, Wednesday (2:00 P.M.) ....Residence Halls Ope

Second Semester, 1965

February 3, Wednesday (2:00 P.M.) ....Faculty Registratio Conference

February 4-5, Thursday, Friday .....Registration for Secon Semester. Late fee of $5.00 will be charged after 5:00 P.M February 5.

February 8, Monday .....Class Work Begi

February 11-12, Thursday, Friday .....Last Day for Enterin Tuesday, Thursday classes and Monday, Wednesday, Frida classes respectively.

February 19, Friday .....Last Day to apply for Hono Program for Second Semester.

March 5, Friday .....Last day for dropping a cours without penalty.

April 13, Tuesday (6:00 P.M.) .....Residence Halls Close

April 14-18, Wednesday through Sunday (inclusive) ....Spring Holidays

April 18, Sunday (2:00 P.M.) .....Residence Halls Open

June 3, Thursday (Chapel Hour).....Charles H. Strickland Oratorical Contest

June 4, Friday through June 9, Wednesday .....Semester Examinations

June 5, Saturday through June 7, Monday ....Commencement Activities

June 5, Saturday .....Senior Breakfast

June 6, Sunday .....Baccalaureate Service

June 7, Monday .....Commencement Exercises

June 9, Wednesday (6:00 P.M.) ....Residence Halls Close*

ummer Term, 1965

June 13, Sunday (2:00 P.M.) .....Residence Halls Open

June 14, Monday .....Registration, Summer Term

June 15, Tuesday .....Class Work Begins

June 16, Wednesday .....Last Day for Entering Classes

July 17, Saturday .....First Term Summer School Closes

July 19, Monday .....Registration, Second Summer Term, Classes Begin

July 21, Wednesday .....Last Day for Entering Classes

August 21, Saturday .....Summer School Closes

August 21, Saturday (6:00 P.M.) ...Residence Halls Close*

* Students who are permitted to remain in residence halls for work other than school employment, or other emergencies will be charged $1.00 per day extra rent.

COMPETITIVE SCHOLARSHIP EXAMINATION SCHEDULES

January 16, 1965, Saturday 9:00 A.M. .....Union University

February 13, 1965, Saturday 9:00 A.M. ...Memphis, Tennessee

March 13, 1965, Saturday 9:00 A.M. .....Union University

BOARD OF TRUSTEES

General Officers

W. A. Boston, *President* — Tom Patton, Sr., *Vice-Preside*

Raymond Townsend, *Secretary*

Executive Committee

Wayne Dehoney, *Chairman* — Powers Smith, *Vice-Chairm*

E. B. Bowan, *Secretary*

W. A. Boston
W. C. Garland
Tom Patton, Sr.
Robert L. Orr
Raymond Townsend
Homer Waldrop

Term of Office Expires November, 1964

William Bateman, *Attorney*
Memphis, Tennessee
E. B. Bowen, *Minister*
Memphis, Tennessee
Hardy Graham, *Businessman*
Union City, Tennessee
C. N. Hickman, *Physician*
Bells, Tennessee
George B. Jones, *Accountant*
Memphis, Tennessee
Tom Patton, Sr., *Businessman*
Jackson, Tennessee
Hall Shaw, *Businessman*
Ridgely, Tennessee
Jim Thompson, *Businessman*
Selmer, Tennessee
Raymond Townsend, *Businessman*
Parsons, Tennessee
H. H. Waldrop, *Attorney*
Jackson, Tennessee

Term of Office Expires November, 1965

W. A. Boston, *Minister*
Memphis, Tennessee
Wayne Dehoney, *Minister*
Jackson, Tennessee
Robert Jelks, *Businessman*
Paris, Tennessee
Russell Kirksey, *Businessman*
Bolivar, Tennessee
William Klutts, *Editor*
Ripley, Tennessee
C. M. Pickler, *Minister*
Memphis, Tennessee
J. E. Sharp, *Minister*
Bells, Tennessee
Jonas Stewart, *Minister*
Huntingdon, Tennessee
Joe P. Tipton, *Businessman*
Dyersburg, Tennessee
Clint Oakley, *Minister*
Memphis, Tennessee
W. C. Garland, *Minister*
Humboldt, Tennessee

Term of Office Expires November, 1966

RAMSEY POLLARD, *Minister*
Memphis, Tennessee
JERRY GLISSON, *Minister*
Memphis, Tennessee
ROBERT L. ORR, *Minister*
Dyersburg, Tennessee
E. POWERS SMITH, *Businessman*
Henning, Tennessee
B. D. BUFORD, *Businessman*
Trenton, Tennessee
CARROLL C. OWEN, *Minister*
Paris, Tennessee

BROOKS MCLEMORE, *Attorney*
Jackson, Tennessee
JAMES HUNTER LOGAN, *Businessman*
Union City, Tennessee
LEWIS D. FERRELL, *Minister*
Memphis, Tennessee
JAMES F. EAVES, *Minister*
Memphis, Tennessee
JAMES L. WALKER, *Educator*
Jackson, Tennessee

OFFICERS OF ADMINISTRATION

1964-65

( ) Year First Employed

F. E. Wright, 40 Harmony Lane (1954) .....*Preside*

A.B., Baylor University, 1942
M.A., George Peabody College, 1948
Ed.D., George Peabody College, 1954

Wm. Walter Warmath, 564 E. Main (1963) .....*Vice-Presider*

A.B., Union University, 1935
Th.M., Southern Baptist Theological Seminary, 1939
D.D., Union University, 1952
Attended, Cumberland Law School and University of Tennessee

Tom Pope, 271 Poplar (1962) .....*Assistant to the Presider*

A.B., Union University, 1939
B.D., Southern Baptist Theological Seminary, 1947

Richard Hiram Ward, 283 Russell Road (1948) .....*Acting Dea*

A.B., Carson-Newman College, 1933
M.A., George Peabody College, 1948
Ph.D., George Peabody College, 1953
Additional study at New Orleans Seminary
Post-doctoral study at University of North Carolina, Summer 1957
Post-doctoral study at American University, Summer 1961

Frank M. Blythe, 310 North Hays (1939) .....*Business Manage*

B.S., University of Oklahoma, 1926

Gladys Ivy Stone, 109 Rothrock (1949).....*Registrar and Dean of Women*

B.S., Union University, 1933
Graduate study, Memphis State University

*John R. Barber, Ellis Hall (1960) .....*Dean of Men*

A.B., Union University, 1959
M.A., Vanderbilt University, 1960

Ruth Gibbons, 601 Lafayette (1947) .....*Librarian*

A.B., Union University, 1932
B.S., L.S., George Peabody College, 1940
M.S., L.S., George Peabody College, 1962

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*On leave, 1964-65

ADMINISTRATIVE ASSISTANTS AND OTHER PERSONNEL

R. Warren F. Jones .....*President Emeritus*
B.S., Georgetown College, 1921
M.A., University of Kentucky, 1937
One year additional graduate study, University of Kentucky
Graduate study, University of Chicago and George Peabody College
L.L.D., Georgetown College

Iabel K. Ward, 283 Russell Road (1949) .....*Assistant Librarian*
A.B., Carson-Newman College, 1932
M.A., L.S., George Peabody College, 1955

rances Smith, 349 Westwood (1963) .....*Reader Services Librarian*
A.B., Lambuth College, 1942
M.A., Vanderbilt University, 1945
M.A., George Peabody College, 1956

ob Holland
A.B., Union University, 1953
M.A. in Sacred Music, Southern Baptist Theological Seminary, 1958
B.D., Southeastern Baptist Theological Seminary, 1962

George B. Wyatt, 87 Woodhaven Drive (1948) .....*College Physician*
A.B., Vanderbilt University, 1939
M.D., Vanderbilt University, 1942

Duval H. Koonce, 28 Beechwood Dr. (1955) .....*Associate to College Physician*
A.B., Duke University, 1943
M.D., Duke University, 1946

Anne Shelley Taylor, 93 Montclair Dr. (1955).....*Assistant Registrar*
A.B., Union University, 1948

James A. Stratton, 2017 East Chester (1919) .....*Superintendent of Buildings & Grounds*

Lucille Baker, 875 Skyline Drive (1957) .....*Assistant Hostess Jones Hall*

Virginia B. Barham, 316 West King (1952) .....*Secretary to Student Procurement Officer*
A.B., Union University, 1950

Sarah Baxter, 620 Whitehall (1960) .....*Secretary to the Dean of Women*

Jackie Fisher Bobbitt, 574 E. Main (1962).....*Secretary to the Dean*

Wayne Brown, Ellis Hall (1963) .....*Head Resident, Ellis Hall*

Elise Caldwell, Jones Hall (1957) .....*Hostess, Jones Hall*

VIRGIL SIMMONS DEATON, 258 Jackson (1961).....*Secretary to t*
Assistant to the Preside

EULA LOVE EMERSON, 347 Gordon (1961) .....*Faculty Secreta*

DORIS W. GEE, 425 West King (1959) .....*Secretary to t*
Business Manag

J. GUY GEE, 425 West King (1957) .....*Burs*
A.B., Union University, 1962

PAT HOLLOMAN, Americana Motor Inn (1963) .....*Bookkeep*

HELEN GREER LAYMAN, Lavinia, Tenn. (1964) ....*Switchboard Operat*

EVIE LEE LEWIS, 301 W. Deaderick (1964) .....*Secretary to th*
Vice-Presider

BARBARA JUNE MASON, Spring Creek, Tenn. (1963) .....*Secretary t*
the Librariac

NELLIE FRANCES PARIS, Harts Bridge Road (1962) .....*Secretary t*
the Librariac

AUDREY RAMSEY, 715 Highland (1962) .....*Manager, Bookstor*

MARTHA VIRGINIA SEWELL, Crook Hall (1962) .....*Hostess*
Crook Hal

JESSIE SMITH, 590 East College (1958) .....*Assistant Bursa*
A.B., Cumberland University, 1936

ALICE TURNER, Student Union Building (1961) ..... *College Nurse*
and Hostes

JULIA WALKER, Lovelace Hall (1963) .....*Hostess, Lovelace Hall*

LAURA BURNEY WINSLOW, 131 Elizabeth (1960) .....*Secretary to*
the President

FACULTY OF INSTRUCTION

1964-65

( ) Indicates year first employed

DIVISIONAL CHAIRMEN

ALPH T. DONNELL (1948) .... *Chairman, Division of Natural Sciences, Head of Department of Mathematics*

A.B., Cumberland University, 1926
LL.B., Cumberland University, 1927
M.A., Vanderbilt University, 1937
Two years additional graduate study, University of Tennessee
Additional graduate study, University of Michigan

OHN HUGHES (1952) ..... *Chairman, Division of Fine Arts, Head of Department of Music*

A.B., Southwestern, 1947
M.S., Juilliard, 1949
Ch.M., American Guild of Organists, 1949
Graduate study in Musicology, New York University
Organ Pupil of W. Townsend, Plymouth, England
Organ Pupil of Marcel Dupre, Paris, France
Additional Graduate study in Harmony under Olivier Messiaen, Paris Conservatory, Paris, France
Ph.D., Florida State University, 1961
Post-doctoral study in Siena, Italy, Summer 1961

CHARLES D. TAYLOR (1955) ..... *Chairman, Division of Humanities, Head of Department of Religion*

A.B., Union University, 1948
B.D., Southern Baptist Theological Seminary, 1951
Th.D., Southern Baptist Theological Seminary, 1957

RICHARD HIRAM WARD (1948) .... *Chairman, Division of Social Sciences, Head of Department of History*

A.B., Carson-Newman College, 1933
M.A., George Peabody College, 1948
Ph.D., George Peabody College, 1953
Additional study at New Orleans Seminary
Post-doctoral study at University of North Carolina, Summer 1957
Post-doctoral study at American University, Summer 1961

OTHER DEPARTMENT HEADS

A. L. ALLEN (1955) ..... *Head of Department of Art and Associate Professor of Art*

B. S., Louisiana State University, 1950
M.A., Louisiana State University, 1954
Additional graduate study at Stanford University, University of Arizona, University of Colorado and University of Minnesota

SPURGEON BOYD (1949) .....*Head of Department of Biol*

B.S., Carson-Newman College, 1935
M.A., Peabody College, 1947
Additional graduate study at George Peabody College, Vanderbilt U
versity and the University of Oregon
Additional study at the National Institute of Health, 1961

WU-CHIEH CHENG (1955) .....*Head of Department of Chemistry a*
Professor of Chemis

B.S., St. John's University, Shanghai, China, 1944
M.S., Kansas State University, 1949
Ph.D., Georgia Institute of Technology, 1954

GEORGE E. CLARK (1962) .....*Head of Department of Engl*
and Professor of Engl

A.B., Union University, 1949
B.D., Southern Baptist Theological Seminary, 1952
M.A., George Peabody College, 1952
Th.M., Southern Baptist Theological Seminary, 1953
Ph.D., George Peabody College, 1962

CLARENCE E. HEFFELFINGER (1963).....*Head of Department*
Business Administration a
Associate Professor of Busine
Administration

A.B., Ursinus College, 1920
M.S., Columbia University, 1932
Litt.D., Ursinus College, 1949
Additional graduate study at Columbia University

JOHN V. MYERS (1958) ....*Head of Department of Modern Languag*
and Professor of Modern Languag

A.B., Wake Forest College, 1938
M.A., Syracuse University, 1940
Additional study, University of Paris, Paris, France, 1950-51
Post-doctoral study, Universidad Autonoma del Estado de Mexic
Toluca, Mexico, Summer, 1962

JAMES A. PATE (1959) .....*Head of Department of Education an*
Psychology and Associate Professor of Educatio

B.S., Howard College, 1944
A.B., University of Alabama, 1944
M.A., University of Alabama, 1955
Advanced Professional Diploma in Education, 1957
Ed.D., University of Alabama, 1959

JACK L. RUSSELL (1955) .....*Head of Department of Health an*
Physical Education and Director of Athletics
Assistant Professor of Physical Educatio

B.S., Oglethorpe University, 1940
M.S.P.E., Purdue University, 1950
Additional graduate study, University of Arizona, summers of 1958 an
1962

OTHER PROFESSORS

BYRAN BAREFOOT (1957) .....*Professor of Religion*

A.B., Mississippi College, 1949
B.D., New Orleans Baptist Theological Seminary, 1952
Th.D., New Orleans Baptist Theological Seminary, 1955

OTHER ASSOCIATE PROFESSORS

HELEN BLYTHE (1939) .....*Associate Professor of English*

A.B., University of Oklahoma, 1939
M.A., George Peabody College, 1949
Directed Literature Study, British Isles, 1956
Directed Shakespeare Study, Canada, 1958
Additional study, Syracuse University, Summers of 1961 and 1962
Shakespearian Seminar, McMaster University, 1962

ANN ELIZABETH BIGGS (1963) .....*Associate Professor of Music*

A.B., Maryville College, 1941
B.M., Conservatory of Music of the University of Cincinnati, 1945
M.M., Conservatory of Music of the University of Cincinnati, 1948
Voice study with Maggie Teyte and Belle Julie Soudant, New York, Ecoles d'Art Amercaine, Fontainebleau, France
Voice study with Hermanus Baer, Northwestern University

WILLIAM E. CALLAHAN (1960) .....*Associate Professor of Religion*

A.B., Florence State College, 1953
B.D., New Orleans Baptist Theological Seminary, 1956
Th.D., New Orleans Baptist Theological Seminary, 1960

*GEORGE H. DUKES (1961) .....*Associate Professor of Biology*

B.S., Mississippi College, 1953
M.A., Mississippi College, 1959
Ph.D., Louisiana State University, 1961

ELISABETH JARREL FOSSEY (1955) .....*Associate Professor of Theory, Piano and Voice*

B.Mu., American Conservatory of Music, 1935
M.Mu., American Conservatory of Music, 1954
Pupil of Victor Garwood, Chicago; Theodor Bohlmann, Memphis; John H. Hattstaedt, Chicago; Charles LaBerge, Chicago; Louise Robyn, Chicago; Irvin Fischer, Chicago; Stella Roberts, Chicago; Karlton Hackett, Chicago; E. Warren K. Howe, Chicago
Additional study, Siena, Italy, Summer, 1961

WILLIS HAMILTON KIMZEY, JR. (1956)..*Associate Professor of Religion*

A.B., Mercer University, 1938
B.D., Southwestern Baptist Theological Seminary, 1949
Th.D., Southwestern Baptist Theological Seminary, 1956
Post-doctoral study at University of Nottingham, Nottingham, England

*On Leave 1963-64

CHARLES H. PAGE (1963) .....*Associate Professor of Educati*

B.S., Austin Peay State College, 1942
M.A., George Peabody College, 1947
M.Ed., George Peabody College, 1950
Additional graduate study Colorado State College

WILLIAM PERRYMAN (1957) .....*Associate Professor of Pia and Theo*

B.M., University of Arkansas, 1951
M.M., Indiana University, 1952
Additional graduate study, University of Arkansas and University Indiana, 1959-60; 1960-61
Additional graduate study, University of Indiana, Summer 1962

LOUIS SNELLGROVE (1960) .....*Associate Professor of Psycholo*

A.B., Emory University, 1952
M.A., University of Alabama, 1956
Ed.D., University of Alabama, 1960

GRACE WILLIAMS (1942).....*Associate Professor of Physical Educatio*

B.S., Alabama College, 1928
M.A., George Peabody College, 1932
Additional graduate study at Northwestern University

ASSISTANT PROFESSORS

ELDEN A. BYRD (1961) .....*Assistant Professor of Sociolo*

B.S., Murray State College, 1943
B.D., Southern Baptist Theological Seminary, 1952
M.A., George Peabody College, 1958
Ed.S., George Peabody College, 1960

ANNETTE SMITH CHEEK (1961) .....*Assistant Professor of Orga*

Sherwood Music School, Chicago, Illinois
American Conservatory of Music, Chicago, Illinois
B.M., Eastman School of Music of the University of Rochester, 195
M.M., Eastman School of Music of the University of Rochester, 1953
Post-graduate study at Eastman School of Music and Indiana Universit
Piano study with Cecile Genhart and Joseph Batista
Organ study with Barratt Spach, Harold and Catherine Crozier Gleaso

BEVLEY R. COLEMAN (1963) .....*Assistant Professor of Histor*

A.B., Union University, 1957
M.A., George Peabody College, 1958
Ph.D., George Peabody College, 1963

FAY ETHERIDGE (1963) .....*Assistant Professor of Englis*

A.B., Union University, 1923
M.A., Vanderbilt University, 1933

WARNER HUTCHISON (1959) .....*Assistant Professor of Theor and Instrumental Musi*

B.S.M., Southwestern Baptist Theological Seminary, School of Churc Music, 1954
M.Mu., North Texas State College, 1956
Special Studies: Rockmont College, University of Denver, Indiana University
Additional graduate study, Eastman School of Music of the University of Rochester
Hornist with orchestras in Denver, Dallas, Rochester and Knoxville
Composition with Wayne Barlow, Kent Kenman, Roy Harris and other
Additional graduate study, North Texas State University, Summer 1962

Elizabeth Breland Loyd (1938) ..... *Assistant Professor of Speech*
Graduate diploma, Ruth Bale Whitworth College, 1922
Additional study, Curry College, Boston; Alviene University of the Theater, New York; American Academy of Dramatic Art; Columbia
A.B., Union University, 1945
M.A., Memphis State University, 1958

Mabel H. Neely (1962) ..... *Assistant Professor of Nursing*
Diploma in Nursing, Women's College Hospital School of Nursing, Toronto, Canada, 1939
B.S. in N. Ed., University of Virginia, 1949
M.Ed., University of Virginia, 1955

Lora Prince (1959) ..... *Assistant Professor of English*
B.S., Alabama Polytechnic Institute, 1951
M.A., Alabama Polytechnic Institute, 1956
M.R.E., Carver School of Missions and Social Work, 1956
Additional graduate study, University of North Carolina, Summer 1962

Robert W. Ullom (1963) ..... *Assistant Professor of History*
B.E.D., Illinois State College, 1935
A.M., University of Illinois, 1937
M.Ed., University of Illinois, 1953
Additional graduate study at the University of Illinois

INSTRUCTORS

Truman Albritton (1963) ..... *Instructor of Physical Education*
B.S., Mississippi College, 1961
M.Ed., Mississippi College, 1963

Theodore Atsalis (1962) ..... *Instructor of Theory and Instrumental Music*
B.M., Miami University, 1960
M.M., Miami University, 1962
Air Force Band, 1952-56

John R. Barber (1960) ..... *Instructor of History*
A.B., Union University, 1959
M.A.T., Vanderbilt University, 1960

Joseph Blass (1959) ..... *Instructor of Voice*
A.B., University of Alabama, 1955
M.S.M., Southern Baptist Theological Seminary, 1959

T. Wayne Brown (1963) ..... *Instructor of Physics*
A.B., Union University, 1961
M.A., University of Florida, 1963

Darrell Reagan (1963) ..... *Instructor of English and Drama*
A.B., Baylor University, 1957
M.A., Baylor University, 1963

Barry Gay Reagan (1963) ..... *Instructor of Foreign Languages*
A.B., Union University, 1959
M.A., Tulane University, 1961

On leave 1964-65

CHRISTINE SISSON ROGERS (1961) .....*Instructor of Mathemat*

B.S., Union University, 1955
M.A.T., Joint Degree from Vanderbilt University and George Peabc College, 1956
Additional graduate study, University of Mississippi, Summer 1958
Additional study, Vanderbilt University, Summer 1962

DARLA JEAN TODD (1963) .....*Instructor of A*

B.F.A., University of Oklahoma, 1961
M.A., University of Michigan, 1962

ELSIE YOUNG (1962) .....*Instructor of Biolo*

B.S., Union University, 1960
M.A., University of Illinois, 1962

PART TIME FACULTY

LEN CONGER (1963) .....*Co-ordinator, Social Adjustment for M.*

DELORES HASTINGS (1963) .....*Home Economi*

B.S.H.E., West Virginia University, 1949

SYLVIA HILLS (1958) .....*Social Adjustme*

Diploma from Stephens College, 1946
Studied with Candy Jones
Attended Purdue University, 1947-48
Professional Modeling, Memphis (Fashion, Photographic, and Televisio

NELLE ADAMS LAFON (1960) .....*Business Administratic*

B.S., Memphis State University, 1937
M.A., Peabody College, 1941

HELEN F. PAGE (1963) .....*Psycholo*

B.S., George Peabody College, 1946
M.A., George Peabody College, 1950
Additional graduate study at University of Tennessee and Universi of Colorado

GLENN RAINEY (1961) .....*Business Administratio*

B.A., Union University, 1953
M.S., Georgia Institute of Technology, 1955
Additional graduate study, University of Pittsburgh, 1956

D. E. RAY (1962) .....*Educatio*

A.B., Ruskin Cave College, 1915
B.S., George Peabody College, 1926
M.A., George Peabody College, 1938
Additional graduate study, George Peabody College

FRANCIS WOLFE (1960) .....*String Instrument*

Conservatory of Music of Cincinnati
Studied with Carl Kirksmith, D. Danczowski, George Leighton, Mr Tommy Williams
Cincinnati Symphony Orchestra, 1921-1930
Memphis Symphony Orchestra, 1940-1945

OFF-CAMPUS INSTRUCTORS

DAVID IRBY (1963) .....*Religio*

A.B., Mississippi Southern
B.D., New Orleans Baptist Theological Seminary, 1956
Th.D., New Orleans Baptist Theological Seminary, 1963

ADMINISTRATIVE COUNCIL

President of College, *Chairman*
Vice-President
Assistant to the President
Academic Dean
Registrar—Dean of Women
Business Manager
Librarian
Admissions Counselor

ACADEMIC COUNCIL

Academic Dean, *Chairman*
Chairman, Division of Fine Arts
Chairman, Division of Humanities
Chairman, Division of Natural Science
Chairman, Division of Social Science

FACULTY COMMITTEES

Discipline
Academic Dean, *Chairman*
Dean of Women
Dean of Men
William E. Callahan

Athletics
Charles D. Taylor, *Chairman*
Academic Dean
Director of Athletics
Business Manager
Ralph Donnell
A. L. Allen
Grace Williams

Guidance
Director of Testing Service, *Chairman*
Academic Dean
Director of Testing Service
Registrar
Dean of Women
Dean of Men

Curriculum and Instruction
Ralph Donnell, *Chairman*
Academic Dean
Registrar
Divisional Chairmen

Student Aid
Hyran Barefoot, *Chairman*
Business Manager
Secretary to President
Admissions Counselor
Director of Testing Service

Library
J. V. Myers, *Chairman*
W. H. Kimzey, Jr.
Charles H. Page
Flora Prince
Head Librarian

Social
Dean of Women, *Chairman*
Hostesses of all Dormitories

Admissions
Academic Dean, *Chairman*
Registrar
Spurgeon Boyd
Eldon A. Byrd
Wayne Brown

Publications
Helen Blythe, *Chairman*
Business Manager
Head Librarian
George E. Clark

Student Affairs
Dean of Women
Dean of Men
Faculty Coordinator of B. S. U.
Grace Williams
William Perryman
Student Body President

President—Ex-officio member of all standing committees

GENERAL INFORMATION

About Union University

The College and Its Resources

Student Life

The true purpose of education is to cherish and unfold the seed
immortality already sown within us; to develop, to their fullest exte
the capacities of every kind with which the God who made us h
endowed us.

Anna Jameson

ABOUT UNION UNIVERSITY

Objectives

N KEEPING with its character and heritage throughout more than ıe hundred years, Union University continues to subscribe to the pur- ɔses of those who founded it and those who through the years have nur- ıred it. The ultimate objective is the full development of the total ersonality. Primary essentials to this end are the recognition that "The ar of God is the beginning of wisdom"; that in the lifelong, continuous rocess of education, the search for truth is an inherent quality; and that ıe proper relating of all truth to the Divine concept is the climactic chievement of the educated individual.

1. *Leadership*: Central in the purposes of Union University are high scholarship and Christian character preparatory to leadership in varied fields of service.
2. *Denominational Service*: The college acknowledges its dependence upon, and loyalty to the Baptist denomination and holds high the responsibility and privilege of developing in Baptist young people a deepening sense of denominational appreciation, a comprehensive vision of stewardship, and an academic and spiritual preparation for maximum service in the local church and in the Kingdom of God.
3. *Aesthetic, Health, Social:* The college is ever concerned with developing in young people an appreciation of the aesthetic and an awareness of the value of good health, both physical and mental. It is the sustained purpose of the institution to stimulate in students a consideraion for the rights of others; a sense of poise, refinement, and culture that enable them to move with ease in the social group; a recognition of the dignity of work; and a deep regard for the sanctity of marriage and the home.
4. *The Liberal Arts Tradition:* Union University adheres academically to the liberal tradition on the thesis that it is concerned with qualities of mind, rather than just an arrangement of courses or the amassing of facts. Basic principles as found inherent in human conduct and activity serve as the motivation for seeking to teach young people to think; to guide them in the development of understanding; to direct them in the cultivation of insight; and to influence them in their actions in order that they may be fitted for living in, adjusting to, and becoming effective toward changes for betterment of the contemporary world.

History

UNION UNIVERSITY is the descendant and heir to two earlier institutic of learning—West Tennessee College and its predecessor, Jackson Ma Academy, both of which were located in Jackson. Jackson Male Acader was chartered by legislative enactment during the 1825 session of t Tennessee Legislature. W. E. Bolten, S. D. Hays, J. F. Brown, John Rea and Joshua Haskell were constituted "A body politic and corporate" a were named as trustees of the academy. (Acts of Tennessee 1825, Chapt 222, p. 252.)

As a college it had its beginnings in the provision of the North Caroli Compact in ceding Tennessee to the United States Government to made into a new state. It was provided that there should be two colleg established, one each in East and West Tennessee, and certain pub lands were set apart to that end. As a result West Tennessee College w chartered by legislative enactment, January 3, 1844. The charter vest in the trustees of the college "all the property rights and credits belon ing, or in any wise appertaining to the . . . Jackson Male Academy The charter also provided "that the Jackson Male Academy shall co stitute the preparatory department of the West Tennessee College. . . . (Acts of Tennessee 1843-44, Chapter 66, pp. 75-76.)

In 1846 an act of Congress was passed extinguishing the title to u appropriated lands south and west of the congressional reservation lin and $40,000 arising from the sale of these lands was set apart as an e dowment for West Tennessee College, located at Jackson. (U. S. Statut at Large II, 1806, Chapter 31). This institution continued as such unt 1874 when it was offered to and accepted by Tennessee Baptists. Th action grew out of a growing sentiment on the part of Tennessee Baptis toward greater unification, and education was the central core aroun which such unification was promoted. To that end committees we appointed by the General Association of Baptists in Middle Tennesse The East Tennessee Baptist General Association, and the West Tennesse Baptist Convention. (There was no Tennessee Baptist Convention to th date.) These committees met jointly in Humboldt, March 15, 187 (Tennessee Baptist Convention, *Minutes,* 1874, p. 1.) They issued a res lution favoring the establishment of a first class college, and pledged the support for such a movement. They also agreed to call an Educationa Convention in Murfreesboro, April 10, 1874. This convention met a scheduled and defined the purpose of the Convention as follows: "Thi Convention shall promote the educational interests of the Baptists o Tennessee . . . ". Following this a committee was appointed to select location for the proposed new college and they recommended the ac

ptance of the offer made by the citizens of Jackson and vicinity which cluded "the buildings, grounds, and endowment funds of West Tennessee ollege."

In September, 1874, the new institution opened at Jackson as an cademy and was chartered as Southwestern Baptist University in June, 875. (Corporate Record Book A, pp. 58-63, Office of Secretary of State.) n August 5, 1890, the campus, known prior to 1875 as West Tennessee ollege, was deeded to Southwestern Baptist University.

At a meeting of the Board of Trustees September 17, 1907, the name f the institution was changed from Southwestern Baptist University to Jnion University. Even though there is nothing to authenticate an or-anic relationship between the institution of Jackson and Union University f Murfreesboro, there was a distinct sentimental connection between the wo. The institution founded at Murfreesboro in 1845 was named Union Jniversity. Dr. T. T. Eaton, son of Dr. Joseph Eaton, the founder of Jnion University at Murfreesboro, taught both in that institution and Southwestern Baptist University at Jackson. He also gave to Southwestern his father's library, and while there is no record to authenticate this de-ision it is rather apparent that the institution was changed to Union University because of this family connection.

In the fall of 1925 the Board of Trustees deeded all of the property of the University to the Tennessee Baptist Convention and secured a new charter which vested all rights and authority in the Convention which elects all of the trustees. In 1927 the Hall-Moody Junior College was consolidated with Union University and its records transferred to Union University.

Union University has had the following presidents (no record of the presidents of West Tennessee College):

William Shelton, 1875-76; G. W. Jarman, 1876-90; G. M. Savage, 1890-1904; P. T. Hale, 1904-06; G. M. Savage, 1906-07; J. W. Conger, 1907-09; I. B. Tigrett, 1909-11; R. A. Kimbrough, 1911-13; R. M. Inlow was elected June, 1913, but resigned soon after opening of fall term; A. T. Barrett, 1913-15; G. M. Savage, 1915-18; H. E. Waters, 1918-31; A. W. Prince (Acting President), 1931-32; John Jeter Hurt, 1932-45; Warren F. Jones, 1945-1963.

Location

UNION UNIVERSITY is located in Jackson, Tennessee, a city of 35,000 inhabitants. Jackson is centrally located in West Tennessee with adequate transportation facilities available by bus, railway, and air. It is noted for its culture, beauty and educational advantages.

THE COLLEGE AND ITS RESOURCES

Campus and Buildings

Value

THE FOLLOWING STATEMENT as to the value of the College proper is taken from the auditor's report:

Buildings, Grounds, and Plant Equipment	$2,464,825.34
Endowment	739,121.25
Total	$3,203,946.59

The Tennessee Baptist Convention appropriates money each ye to the college for current expenses. The amount received last year w approximately $149,000.00, which is the equivalent to the income fro an additional endowment of approximately $3,000,000.00.

Grounds

The campus proper of the University, containing approximately te acres, is located in the eastern part of the city within four blocks of th business district.

Buildings

Adams Hall—Adams Hall is a dormitory for men. On August 13, 1918 the front part of Adams Hall was destroyed by fire, but was rebuilt th following year. The building is being remodeled and rehabilitated.

Adams Hall Annex—This building was formerly occupied by the Ar Department and is located on the south campus. It provides for comfort able living quarters for twenty-six men.

Hurt Apartment House—This building was bequeathed to Union Uni versity in the will of the late President Emeritus John Jeter Hurt. It provides living quarters for twenty-seven young men.

D. A. Ellis Hall for Men—By means of a bequest in the amount of $25,000 by the late Dr. D. A. Ellis and donations by many individuals and churches, this residence hall for 126 men has been made possible. It was completed early in 1962 and first occupied during the second semester of the school year 1961-62. It is a commodious, functional, modern building with up-to-date equipment and fully air conditioned.

Everette Lovelace Hall—This dormitory for women has been remodeled. It is a homelike, three-story building, sufficiently large to house forty-five people.

Joseph A. Crook Hall—This young women's home on the south campus was erected in memory of the late Dr. J. A. Crook, who was a mem-

b: of the Board of Trustees for forty years. This three-story building has r:ently been renovated. It accommodates sixty-five occupants.

Warren F. Jones Hall—This dormitory for women was opened Septem-tr, 1956, a modern and commodious building of street-level floor and tree additional stories. It is located on the northeast corner of the main cmpus near the intersection of Lexington and Hays Avenues. The build-ig was made possible by special gifts through the W.M.U. organizations (West Tennessee, individuals, and through the United Campaign for :hools which was conducted throughout the state of Tennessee in 1955. 'his building accommodates one hundred and fifteen girls.

Barton Hall—This is the Administration building and contains the dministrative offices, classrooms and Powell chapel.

The Mary Sue Tigrett House—This building is of Dutch Colonial de-gn, originally planned as a Home Management House for the Home conomics department. At present it is being used as a faculty residence.

Emma Waters Summar Library, and Other Reading Facilities—A new brary was opened in the fall of 1947. There are about 39,000 volumes, esides pamphlets, including the T. T. Eaton and William Bateman equests. The reading room contains the leading magazines, religious eriodicals, and daily papers. The Jackson Free Public Library is within our blocks of the University, on College Street, and our students have ree access to it. The library is rapidly being enriched for greater useful-ness, including archives and listening rooms.

The Athletic Field—During the session of 1937-38 Union deeded to he City of Jackson its football field, on condition that the city erect a stadium at a cost of $40,000, which is just across the street from Union's campus. There are seating accommodations for 5,000 people in concrete stands, and a modern cinder track circles the grounds. The field has been well graded, and is covered with a beautiful turf. It is available for Union University sports events.

Gymnasium—The gymnasium, constructed in 1955, is adjacent to the athletic field. The seating capacity is approximately 3,000. This building serves as the physical and health education center and accommodates classes in this department as well as indoor sports.

College Park—This is an area composed of ten acres about six blocks east of the college campus on College Street which was formerly used as a practice field for football and as the regular field for baseball. Recently the Junior Chamber of Commerce assumed the sponsorship of the Babe Ruth Baseball League and requested the privilege of improving this area to be used as a baseball park for teen-agers. Union University

co-operated by lending this field which is now a first-class baseball pa known as College Park and is used by Union University.

Student Union—This multiple purpose building was completed i 1953. It accommodates cafeteria and a dining room that will accommoda four hundred people, social and religious center, music department, hom economics department, bookstore, postoffice, guest room, and facul apartments.

Art and Science Building—The art and science building, located on th south campus, accommodates the departments of art, biology, chemistr and physics. A Biological museum has recently been re-established.

University Health Service

IT IS THE AIM of the University to help the students maintain the highe possible standards of health. To this end the college employs a colleg physician and a nurse and maintains a sound physical training progra for all.

Students are required to bring from their family physicians health certi ficates on blanks provided by the college. Those who do not receive suc blanks prior to registration will be given physical examinations by th college physician during the registration period.

Athletes must be approved by the college physician before being per mitted to participate in major sports. Examinations are repeated durin and at the close of the period of participation in said major sports.

Persons found to be disease carriers, or who otherwise constitute a health menace to the school are asked to withdraw from the university.

No fee is assessed other than the medical fee as stated under expenses. Special rooms for the sick are maintained in dormitories.

Each year the State Health Department makes available to the students and faculty the mobile unit for chest X-rays without cost.

The health service covered by the medical fee includes the services of the nurse at all times, college physician at all times, access to three official visits to the campus per week by the physician, and individual calls in residence halls by the physician upon recommendation of the nurse or hostess. The fee does not cover X-ray, hospitalization, fractures, surgery, and similar services.

Student Insurance

Through the Tennessee Hospital Service Association (Blue Cross) individual students may subscribe for health and accident insurance on a group basis at the rate of $21.00 per person per year.

STUDENT LIFE

Student Government

Union University maintains a modified form of student government. Through the cooperation of administrative, faculty, and student representation, the interpretation of school policies and principles is effected. The student council serves as a governing board of student affairs.

Student Council

The membership of the student council is composed of a representative from each of the four classes, representatives from various organizations, and the president of the student body. Administration and faculty representatives act in an advisory capacity with the council. The purpose of the council is to provide a means of mediation for any problem that may arise from the student body and to be a nucleus for planning any sports, contests or events that will help build the morale of the school.

Fundamental Regulations

First. Students are not permitted to give entertainment during the college session, either on the campus or in the city in the name of the school or any department or organization of it, without consent of the president or chairman of social committee of the faculty.

Second. Only bona fide students will be permitted to represent the college in public performances.

Third. The university is not responsible for any financial obligation incurred by a student organization, student, member of faculty, or employee unless authorized in writing by the president or business manager.

Fourth. All student residents of the dormitories voluntarily agree to observe the rules of conduct governing the residence halls.

Fifth. All students who receive grants-in-aid of any kind must maintain satisfactory scholastic standing as outlined on page 71 and satisfactory conduct.

Sixth. Fraternity Regulations

I. Pledging—1. All freshmen and transfers must have been in residence a minimum of two weeks before being pledged to any fraternity.

2. Fraternity rushing will begin on September 14 and close Thursday, October 1 with the pinning party.

II. Initiation—1. To be eligible for initiation the student must be a bona fide student, carrying the minimum of 12 semester hours.

2. He must have passed all work the semester immediately preceding initiation.

3. He must have completed 12 semester hours with 12 quality credi in Union University.

4. A student's quality credits must equal the number of hours attaine for any above the minimum 12 hours standing.

5. Names of the initiates must be presented to the registrar f approval at least one week in advance of initiation.

6. No initiation may be held for any student enrolled in Union for th first time before the end of the third week of the second semester.

Seventh. No clubs, fraternities, or societies may be formed unless th faculty, on application, approves the design of such organization the rules by which it proposes to be governed, and the hours of mee ing. The faculty reserves the right to limit or to disband any such orgar izations.

Eighth. It is required that all students establish their residence as a pa of registration. For the maximum advantage to non-resident studen educationally and socially, it is desirable that they reside in dormitorie *This is a requirement for all college-age freshmen and sophomore women*

Permission *may be* granted to junior and senior women; to freshme women beyond the normal college age; also to men; to live off campu under the following stipulations:

1. Parents or guardians must make written request to the administratio stating reasons and place of residence desired. 2. The place of resi dence must be approved by the college authorities. 3. Permission, i granted by the administration, must be in writing.

Students other than those withdrawing from school are not permitte to move from the dormitories at any time without written applicatio to the Dean of Men or Dean of Women, accompanied by written reques from parents, both of which must be approved by the administration (See footnote page 44.)

Discipline

First. The President of the college and the discipline committee are charged with the administration of discipline. They are empowered to rule in any irregularity pertaining to student life.

Note: It sometimes happens that a student's presence in a dormitory is inimical to the best interests of the group, and yet specific charges are difficult or embarrassing to make. Sometimes it is an accumulation of minor things which, taken separately, appear trivial. Sometimes the charges may be too serious to be openly preferred. In all such cases the interests of the residence hall as a home and sometimes of the individual himself, demand that he change his residence. Therefore, the school in

signing rooms hereby explicitly reserves the right to cancel the reservation either before or while the student occupies the room without referring any specific charge. Only in such cases is room rent ever refunded. Students may petition for one's removal without stating charges, and without having their names known to any except the president, dean of women, and the dormitory hostess interested.

Second. Any student who elopes or marries secretly is indefinitely suspended as soon as the fact becomes known. The college considers it a duty to the student's parents to discourage secret marriages in every possible way. Subsequent announcement of a marriage does not alter the penalty. Reinstatement may be granted only upon personal appeal by the parents.

Third. While the administration and discipline committee cannot assume full responsibility for the boarding students not on the campus, it reserves the right to make such regulations at any time as may seem advisable, and the violation of the regulations on the part of a student may deprive him of the privileges of the school.

Fourth. The administration and discipline committee will deal with all of the student organizations in the matter of discipline as with individuals.

Student Organizations and Activities

Religious Life

EMPHASIS is placed not only upon the training of the body and the mind, but also upon the development of the moral and religious nature. In chapel exercises, in class rooms, in every relation where the occasion arises, it is in accord with the policy of the college that emphasis be given to the need for and the value of Christian living.

Devotional life on the campus is fostered through morning watch and vespers. In addition a Religious Emphasis Week is observed annually. The college emphasizes the importance of continuous growth and development in Christian character. A week of denominational emphasis is observed annually.

Religious Organizations

Ministerial Society

The society makes a valuable contribution to the life of ministerial students on the campus.

B. S. U. Council

The Baptist Student Union Council has general concern for the religious activities of the school, and is the co-ordinating agency of these activities.

Y. W. A.

The Y. W. A. is an auxiliary of the Woman's Missionary Union f college women. Its meetings are held bi-monthly.

Life Service Band

This club urges its members to use college days in life service for Chri by promoting mission projects on and off campus and seeks to enlist eve Christian in full time life testimony whether he be a layman or speci religious worker.

Intercollegiate and Intramural Athletics

INTERCOLLEGIATE ATHLETIC PROGRAMS are an integral part of America college life. At Union University athletics constitute a vital segment c the area of physical education and an integral part of the total colleg program.

During both the fall and spring semesters, a program of competitiv intra-mural sports is sponsored that opens the way for wide participatio on the part of both men and women. Awards are given at the close o the year based on a point system employed throughout the intra-mura competition.

Union University believes that sports, both inter-collegiate and intra mural, have definite educational values and that few agencies possess s much that is potentially good for character building in American youth It holds membership in the Volunteer State Athletic Conference and th National Collegiate Athletic Association. It adheres strictly to th eligibility regulations of these organizations.

Clubs

Linguae Mundi Club

All students interested in foreign languages or cultures are eligible to join this club. Its purposes are to foster interest in foreign languages and cultures, and to encourage conversation in foreign languages. The club promotes programs both of general interest and of specific interest for students of a particular language. To this end the club has a vice-president in charge of each language: Latin, French, Spanish, German, and Greek.

Physical Education Club

This club for girls is to stimulate interest in physical education and to promote the girls' intramural program. Membership is open to girls majoring or minoring in physical education or those having 300 points on the intramural point system.

U Club

The "U" club is made up of those students who have received an athletic award by participating in an inter-collegiate sport. Its purpose is to promote athletic activities. Members must have earned an athletic letter at Union University.

Nestor

This is a literary club for men composed of thirteen upper classmen and is organized to promote special scholastic interest and attainments. When a vacancy is caused by the graduation of some member, a new member is elected as his successor.

Hypatia

Hypatia is an honorary literary club for women sponsored by the English department. Membership is composed of thirteen students with highest scholastic standing. It meets monthly and stimulates interest in literary matters.

The W. A. Owen Law Club

This club is composed of pre-law students and functions only when there is sufficient demand. It is sponsored by the history department.

The Mallory Mathematics Club

The club is composed of students who have completed two semesters of college mathematics. Its purpose is to stimulate interest in this field.

Footlights Club

This organization includes students who are interested in the drama. It sponsors all play production, including a play tournament, one-act play night, and major productions.

Prince-Davis Science Club

The purpose of this club is to further interest in science by student participation. Membership is open to majors and minors in chemistry, biology and physics.

The Rutledge Honorary History Club

This club serves as a proving ground for membership in Phi Alpha Theta. Either majors or minors, who take at least 18 semester hours in history, who have and maintain a 1.75 point average in history, and who have and maintain this same general average in all other subjects, are eligible.

The Business Club

The Business Club is an organization designed to promote interest in t field of Business Administration. Membership is open to majors a minors in Business Administration, Business Education and Economi who have and maintain a C average.

The Frank L. Wells Chapter
Student National Education Association

This organization is composed of students on the campus who are pr paring to teach. Its purpose is to offer its members all the opportuniti responsibilities, and privileges of the National Education Association ar the Tennessee Education Association and to acquaint future teachers wi the history, ethics, and program of the organized teaching profession.

Fraternities and Sororities

Social Fraternities

UNION has five national social fraternities—Alpha Tau Omega, Sigm Alpha Epsilon, Lambda Chi Alpha, Chi Omega, Zeta Tau Alpha. Th have their own special activities and functions and add variety and char to the college life.

Scholarship Fraternities

Alpha Psi Omega

Alpha Psi Omega is an honorary dramatic fraternity. Membership based on attainment in this area.

Phi Alpha Theta

Delta-Psi Chapter of Phi Alpha Theta, National Honorary Scholarshi Fraternity in History, is the 119th chapter and the first in the state c Tennessee. Juniors or Seniors, who have had 12 semester hours of histor and who have a minimum average of 2.1 points in history and 2 in tw thirds of the remainder of their work are eligible.

Phi Mu Alpha Sinfonia

Iota Sigma Chapter of Phi Mu Alpha Sinfonia is a national professiona music fraternity. Phi Mu Alpha is the largest men's fraternity in th world with 180 active chapters.

Membership is confined to men who are music majors, and who ex hibit a genuine interest in professional ideals and a high degree of ex cellence in musical ability and scholarship.

The local chapter was chartered in 1960 and has made a vital con tribution to music activities on the campus.

Alpha Chi

Alpha Chi is a member of the Association of College Honor Societies. Membership is open to approximately the top ranking ten percent of the junior and senior classes.

Sigma Alpha Iota

Gamma Sigma Chapter of Sigma Alpha Iota, the oldest and largest international music fraternity for women, is composed of students taking a course leading to a Bachelor of Music Degree or the Bachelor of Arts with a major or minor in music. Membership is based on excellence in scholarship and musical ability.

Student Publications

"Cardinal and Cream"

The "Cardinal and Cream" is the college paper edited and published by the students.

"Lest We Forget"

The "Lest We Forget" is the college year book published annually by the students.

"The Torch"

"The Torch" is a literary annual published under the direction of the Honors Program Committee. Its contents are made up of the best student writings of the year. They are selected both from among papers presented in the normal course of classwork and from those submitted directly to the editors.

Awards

The Zeta Tau Alpha Award of fifteen dollars to the senior of the June class graduating summa cum laude, with highest rank. No winner—1963.

The Chi Omega Award of fifteen dollars to the non-Chi Omega girl who makes the best record in social studies. Winner in 1963—Shirley Flowers.

The Charles H. Strickland Medal established by Mrs. C. H. Strickland for the best orator in the senior class. This is an endowed medal. Winner 1963—Thomas Harrell.

The Elizabeth Tigrett and the Hughes Medals were established by the late Mr. I. B. Tigrett in memory of his mother and the late Dr. J. G. Hughes in memory of his father, for the outstanding seniors each year in the June and August classes respectively. Mrs. J. G. Hughes perpetuates the Hughes Medal in memory of her late husband and as a continuing memorial to his father, Mr. J. W. Hughes. The awards are based on the following qualities and characteristics: citizenship, character, leadership, scholarship, school service. To be eligible for these medals a student must have attended Union University four years. These medals carry with them the highest honors of the senior class. Winner Tigrett medal, 1963, Jerry Thomas Haynie; Hughes, Jerry Mack Baskin.

The Milchrist C. Stanworth Music Medal is awarded to a mem ber of the June or August graduating classes who has studied music Union University for two years and who can otherwise qualify. Auditi is required and selection is based on performance in applied music wi theory as a factor in the decision. Winner 1963, Jerry Thomas Hayn

The Alpha Tau Omega Award is presented each year to the outstan ing male senior, non-fraternity man. This award is based upon scholarshi leadership in campus activities, and character. Winner 1963—Kenne Morris.

The Fred DeLay Memorial Award has been established by Mr. DeL in memory of his father, and is presented at the annual Commenceme to the honor athlete of the Senior Class. The recipient of this award mu be, in addition to being the outstanding athlete, a person of high a ademic standing, unquestionable loyalty and unimpeachable characte Mr. Fred DeLay, a business man, was Head of Athletics in Union Un versity from 1937 to 1945, and again in 1948-49. Winner 1963—Jam Allen Bryant.

The Phi Mu Alpha Award is presented to the graduating senio who have been members of the Symphonic Band for their four years o the campus and who have demonstrated excellence in musicianshi leadership, loyalty, and service 1963—No Winner.

The Jackson Dental Study Club Award of fifty dollars in cash i given annually to the outstanding person on the campus who plans t enter dental college at the next session 1963—No Winner.

The Elizabeth B. Loyd Dramatic "Oscars" are awarded each yea to the best actor and the best actress. The recipients of the "Oscars" ar chosen by the Union University Dramatic Director. Selection is based o excellency of performance with cooperative loyalty and dedication t achievement as factors in the decision. The awards are presented in Ma at the annual awards dinner of Alpha Psi Omega and the Footlights Club Mrs. Elizabeth B. Loyd was Director of Dramatics at Union Universit from 1939 to 1961.

The Academic Excellence Medals. On Annual Citation Day, the college presents a medal to the outstanding majoring senior in each sub ject, provided his average grade in the subject be not less than 2.3.

The Sigma Alpha Iota Award is presented by the National Board o Sigma Alpha Iota to the member of the college chapter who is a music major and has attained the highest scholastic rating during her college course. The award is given upon the recommendation of the head of the music department. Winners 1963—Lynda Sharon Lyon and Julia Strange Randolph.

ENROLLMENT

Admission

Financial Information

Financial Aid

The true greatness and the true happiness of a country consist i
wisdom, in that enlarged and comprehensive wisdom which include
education, knowledge, religion, virtue, freedom, with every influenc
which advances and every institution which supports them.

Henry Giles

ADMISSION

General Requirements

Age. An applicant must be at least 16 years of age.

Character. An applicant must furnish satisfactory evidence of good oral character; and if transferring from another institution of higher arning, must present certificate of honorable dismissal.

Physical Examination. All students must take a general physical :amination.

Scholastic Requirements

1. For regular admission to the Freshman Class a student must be a graduate of an accredited high school or preparatory school with 16 units with a grade average of C. At least thirteen units should be in the fields of English, foreign language, mathematics, history, and the social and natural sciences.
2. A graduate of an accredited high school who does not meet all of the specific requirements for regular admission may be admitted by the admissions committee provided he has an average of C on his high school transcript. His academic load shall be subject to supervision.
3. A student who has served in the armed services may present a high school equivalency diploma for admission. A mature student will be admitted on any state high school equivalency diploma. He may be admitted by the Admissions Committee subject to academic supervision.

Preliminary Entrance Requirements for Freshmen

High school graduates applying for admission to Union must secure an ntrance certificate from the Office of the Dean.

Before this certificate can be granted the applicant must file the follow- ng information in the Office of the Dean:

1. A transcript of his high school work.
2. A recommendation of the applicant from his principal** or superintendent.
3. A medical record.
4. A letter of recommendation from his pastor.
5. A copy of A.C.T. scores.
6. Personal Data Sheet.

**Except in cases of refusal by members of Southern Association of High Schools.

Students Transferring from Another College

Before enrolling in Union University a student transferring fr another college must:

1. Satisfy the scholastic regulations as demanded of freshmen enteri Union, including transfer of A.C.T. scores or arrange to take t test during the first semester at Union.
2. Present transcript of credits from all other institutions of high learning which he has attended.
3. Be eligible for re-admission to institution last attended.

Credits will be accepted from other recognized liberal arts colleges a universities if the work transferred is not too highly specialized and para lels satisfactorily the courses offered by Union. Credits for grades low than C will be accepted, provided the average of the work transferred C or above. In the event that the average of transferred work is low than C, grades below C will be deleted accordingly.

Students transferring to Union University from another institutic where they have an academic probationary status, will be placed on pr bation for one semester, if admitted.

Not more than 66 semester hours will be accepted from a junior colleg

Correspondence and/or Extension

A maximum of eight semester hours of extension work and/or corre pondence work will be accepted from other institutions.

Correspondence or extension credit will not satisfy the prescribed cours for graduation as stated in the catalog for the various degrees offered b the college.

Students may not enroll for residence credit and extension or corre pondence credit simultaneously without the consent of the dean, divisio chairman, and department head involved.

Veterans

The following is necessary before a veteran can be enrolled in Unio University:

1. Veteran enrolling for the first time under G. I. benefit shoul file a request for training at the local regional office (near hi home or the one in Jackson, located at the Walton Hotel or Main Street). This request is sent to Nashville V. A. Regiona Office which authorizes the school to enroll the Veteran. A Veteran cannot be completely enrolled until this is received Authorization is required only once.

2. If a veteran has been enrolled in another institution the veteran and the institution last attended must complete a Request for Transfer of Place of Training. A card to the V. A. Office in region of last place of training requesting that records be sent to V. A. Regional Office, Nashville, Tennessee is of benefit.

Hours: (Inclusive)

14-18	Full	Load
10-13	¾	Load
7-9	½	Load
6-1	Less than ½ load; benefits are based on tuition and fees.	

Benefits: Monthly

Single	(Full Load)	$110.00
Married	(Full Load)	135.00
Dependents	(Full Load)	160.00

Registration

See University calendar for registration dates.

A student may not receive credit for a course for which he is not properly registered.

A student may register for a maximum of 12 semester hours on a three day schedule.

Dormitory students must carry a minimum of 12 semester hours except upon advice of the college physician or by consent of the dean.

FINANCIAL INFORMATION

Expenses

THE REGULAR SCHOOL YEAR is composed of two semesters.

The registration of a student signifies an agreement by him and h parents to fulfill the related financial obligations to the end of th semester in which the student is registered.

Expenses Are Due and Payable As Follows:

Plan Number 1—Semester in advance.

Plan Number 2—One-third upon registration.
One-third by November 10 (First Semester), Marc 15 (Second Semester).
Balance due by January 10 (First Semester), May 1 (Second Semester).

A penalty of $5.00 will be added to those accounts having a balanc due after January 10 and May 15. Students having unpaid bills at th semester's end will not be admitted to the examinations until satisfactor settlements have been made. This rule will be adhered to strictly. Satis factory arrangements to be made with the bursar for Plan 2 as a specia courtesy to the student.

Tuition

Tuition charges are based on the total number of hours carried by the student as follows:

Hours	*Per Semester*
1	$ 22.50
2	45.00
3	67.50
4	87.00
5	106.50
6	126.00
7	144.50
8	163.00
9	181.50
10	200.00
11	212.50
12 thru 16	225.00
Over 16—per hour	15.00

Matriculation Fees

Students enrolling for 1-10 hours (inclusive) will be charged a matriculation fee of $2.50 per hour per semester.

Students enrolling for 11 hours will be charged a matriculation fee of $30.00 per semester.

Students enrolling for 12 or more hours will be charged a matriculation and activities fee of $35.00 per semester.

CONDENSED TABLE OF EXPENSES—1963-64

There are many variations in expenses due to varying needs and demands of individual students. The following CONDENSED STATEMENT OF EXPENSES is meant to provide as fair a guide as possible for the average situation.

A. DAY STUDENTS (non-boarding)

1.	Tuition (12 to 16 sem. Hrs.) per semester	$225.00
2.	Laboratory fee—Science courses only—minimum per semester	7.50
3.	Lyceum fee—per semester	1.50
4.	Matriculation and activities fee	35.00
5.	Breakage deposit—Science courses—payable once and refundable*	10.00
6.	Post Office Box	1.00
7.	Total for DAY STUDENTS—minimum charge excluding books** per semester	280.00
8.	GRAND TOTAL—DAY STUDENTS—minimum—(Science fees included)	$550.00

B. BOARDING STUDENTS

1.	Room Rent—minimum—per semester	$ 60.00
2.	Cafeteria Tickets (Morrison's Cafeteria Plan) per semester*** (State Sales Tax Extra) (Replacement of lost tickets $ .25)	180.00
3.	Medical fee—per semester	7.50
4.	Other expenses same as DAY STUDENTS, Item 7	280.00
5.	Total BOARDING STUDENTS—Minimum—per semester	527.50
6.	GRAND TOTAL FOR YEAR—minimum	$1045.00
ROOM RESERVATION FEE (applied to account)		25.00

Graduation Fees

Diploma	$10.00
Cap and Gown (minimum fee)	4.00
Graduate Record Examination (seniors)	6.00
National Teacher Examination (seniors)—actual cost	11.00

*All dormitory residents are required to make this deposit, whether or not they are enrolled for any Science courses.

**Books—Estimated cost per semester $35.00 to $45.00 (New Books).

***No individual meal ticket will be redeemed by the Business Office except in cases of withdrawal from school, or the equivalent.

*Room Rent****

(Each person per semester)

Men's Dormitories:

Ellis Dorm: All Rooms	$90.00
Adams Annex: All rooms	50.00
Adams Hall: All rooms	75.00

Women's Dormitories:

W. F. Jones Hall: All rooms		90.00
Crook Hall:	One-window room	60.00
	Two-window room	65.00
	Three-window room	67.50
	Four-window room	70.00
Lovelace Hall:	Corner rooms	70.00
	All other rooms	60.00

Laboratory Fees

A laboratory fee to cover the cost of materials consumed is charge each student who pursues a laboratory course.

Art	Per Semester
Art 213	$ 7.00
Art 214	12.00
All other courses, each	3.00
Art Locker rental fee	.50

Biology	
Courses 213, 314, 413, each	$10.00
All other courses, each	7.50

Chemistry	
All chemistry courses	$10.00

***When a student accepts residence in a dormitory, it is assumed that he will reside there throughout the year, unless he withdraws from school or to commute from his home, therefore a student who moves from a residence hall at mid-year will be required to pay 50% room rent penalty, unless he presents permission in writing from the Dean of Men or Women, to the business office. People who live alone at their own request must pay 50% additional room rent, except when assigned to single rooms.

Business Administration

All Accounting Courses	$ 5.00
Economics 415	7.50

Education

Courses 411, 413 ($5.00 per sem. hr.)	$20.00
Courses 412, 414 ($5.00 per sem. hr.)	10.00
Course 319	2.00

Engineering

Course 114	$ 5.00

Physical Education

Courses 113, 213, 313, 318, 413	$ 3.50
Bowling	12.00

Physics

Courses 111, 112, 211, 212, 319, 320	**$ 7.50**

Secretarial Science

Courses 111, 112, 211, 212	$ 6.00
Course 413	3.00
Course 214	10.00

Class Fees

By vote of the student body at the suggestion of the student council regular students will pay $1.00 per semester as class dues for individual class activities. Collections will be made through the business office and deposited in the names of the respective classes. All withdrawals must be approved jointly by the classes and the bursar.

Late Entrance Fees

A late entrance fee of $5.00 will be charged those not completing their enrollment through the bursar's office by the date specified in the calendar.

Contingent Fees

Each student living on the campus, and those enrolling in physics, biology, or chemistry, makes a contingent deposit of $10 to cover breakage or damage for which he may be held responsible. The whole or any unexpended part of the contingent deposit will be refunded when the student graduates or definitely withdraws from the University without graduating, provided the student has not previously left the University without permission. From time to time, as circumstances require, demand will be made for restoration of the contingent deposit to the original amount, in the event damage charges have reduced the deposit. This deposit covers laboratory breakage, key deposit, and any other miscella-

neous items for which special payment may be due from the individu student.

Summer School

Charges for summer school are based on the same rate as per th regular school term. See pages 42-46.

Refunds

1. A. Matriculation fees are never refunded.
   B. A fee of $25.00 is charged for room reservation in residence hall In case of cancellation of reservation, $12.50 will be refunded official notification is received by August 1.
   C. Students not currently enrolled who make reservation for th second semester will be granted a refund of $12.50 if notice c cancellation is received by January 1.
2. If a student withdraws during the period of registration, he will b refunded all charges except matriculation and room reservation fee and meals consumed.
3. A student withdrawing after the registration period, and up to th date for dropping without academic penalty, will be refunded tuitio and room rent on a pro rata basis.
4. Only in cases of illness or its equivalent, will any refund be mad after the date for dropping without penalty, with the exception o meals.
5. Students in refusing to conform to the disciplinary rules of the schoo forfeit all claims for refunds.
6. No refund will be made for reduction in number of credit hour after the date for dropping without penalty.

It will be observed that all of the above rules and regulations put the responsibility upon the student. He saves money and avoids misunderstanding by seeing the business manager or bursar immediately.

Equipment

All equipment such as musical instruments, athletic equipment, microscopes, etc., is charged in the business office direct to the respective departments. Each student will in turn be charged for any equipment issued to him. When it is returned in good condition, he will be given credit accordingly.

By order of the Board of Trustees no equipment is to leave the campus, unless in the care of the faculty member responsible for it.

FINANCIAL AID

Scholarships

All Applications for Scholarships Must be Processed Through The President's Office.

J. J. Hurt Scholarship Fund

A scholarship fund established in 1945 by the late President Emeritus ohn Jeter Hurt and his sons, available to students who satisfy scholarship quirements to be set up by the donors. The scholarship is awarded on application to the President.

The Clarence E. Pigford Memorial Scholarship

Mrs. Clarence E. Pigford has given to the University the sum of 5,000.00 to create a perpetual scholarship to be known as the Clarence . Pigford Memorial Scholarship. The annual returns from this investment constitute a scholarship fund for students who satisfy the requirements set up by the donor. The scholarship is awarded upon application o the President.

Spight Fund

Through a bequest of the late W. R. Spight, noted alumnus of Union Jniversity, there has been established an endowment fund amounting at resent to more than $175,000, the income from which is used to aid worthy ministerial students in accordance with the terms of Mr. Spight's vill.

Addie McLean Scholarship, W. G. Guthrie Scholarship and Gene Carson Memorial Scholarship

These three scholarship funds are set up to provide assistance to worthy students who plan to pursue special full-time religious activities. Grants are made according to the discretion of college authorities.

H. E. Watters Memorial Scholarship

Mrs. Ethel R. Watters, alumna of Union University, has established a fund of $1,000 to be used as a scholarship trust fund in memory of her late husband, Dr. H. E. Watters, who served as president of Union University for a period of thirteen years. The income from this fund will be used to aid students who have volunteered for Christian service and who can qualify as to need, scholarship, and personal character. Application must be made to the President for this scholarship.

Frank L. Wells Memorial Scholarship

The Frank L. Wells scholarship fund was established in 1961 by Mr Frank L. Wells and Mrs. B. Rucker Hays, the former Mary Eleanor Well in memory of their husband and father, the late Dr. Frank L. Wells, fo mer Professor and Head of the Department of Education and Psycholog at Union for more than a quarter of a century. The income from th scholarship fund, amounting to $1,000.00 principal amount, is to be use to assist Christian students who are teachers or who are preparing t teach; who need financial assistance; and whose applications have bee approved by the President.

Competitive Academic Scholarships

Union University conducts competitive examinations for high schoo seniors throughout West Tennessee in the fields of general ability, reac ing, and English, and offers to twenty people who can qualify, scholarshi amounting to $900.00 each for the four years of college work. Thes scholarships are divided into grants of $225.00 for each year on conditio that an academic standing of 2.0 is maintained.

Students who have completed two years work at Union University an have attained an academic average of 2.5 or above are eligible to be a warded a competitive academic scholarship of $225.00 per year for th remaining years in Union upon maintenance of a 2.0 standing. A junio college graduate upon completion of one year in Union University witl an academic standing of 2.5 or above will be eligible for this academi scholarship, and must meet the same requirements. Applications must b made in writing to the dean.

*Honor Graduate Scholarships**

First and second honor graduates of high schools are awarded scholar ships of $900.00 and $800.00 respectively distributed as follows:

First honor: $187.50 per year for the first two years and $262.50 pe year for the remaining two years.

Second honor: $160.00 per year for the first two years and $240.0 per year for the remaining two years.

An academic standing of 2.0 must be maintained.

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* No student may receive both the competitive and the honor graduate scholarships.

Music Scholarships

A limited number of music scholarships are granted to students to ay half or all the fees for private music study. Such scholarships are anted after proper application to the music department and after audi- on on a specified date.

The Mary Northington Scholarship

In March, 1954, the Woman's Missionary Union of Tennessee estab- hed a scholarship fund in honor of Miss Mary Northington to be esented by a W. M. U. college scholarship committee to a young woman. he scholarship, in the amount of $400.00, is awarded according to ualifications outlined by the Woman's Missionary Union. Application made to the President of the college for this scholarship.

Sally Person Pigford Music Scholarship

This scholarship is given personally by Mrs. Pigford to an individual elected jointly by her and college authorities. It provides for two private essons per week throughout the school year to a person who possesses nusual talent in any of the following areas: voice, organ, piano, band nstruments.

Exchange Club Scholarship

The local Exchange Club offers a tuition scholarship each year to a ocal boy who possesses outstanding qualifications as a student and as a itizen. He is given the privilege of choosing either of the local colleges. Exchange scholarship students have been on the Union campus for a umber of consecutive years. This scholarship is continued on the basis f satisfactory academic standing.

Judson M. Bemis Scholarship

In 1953 the Bemis Brothers Bag Company established a tuition scholar- hip for a graduating senior of the Southside High School whose academic and personal qualifications were satisfactory. The scholarship s renewable in full for one year on the condition of satisfactory academic standing. Union University cooperates by awarding a one-half tuition scholarship for the junior and senior years under similar conditions.

Alma Greer Scholarship Trust Fund

In August, 1956, Mr. Stanley Greer of Paris, Tennessee, deposited a sum of money with the Tennessee Baptist Foundation as a scholarship fund in memory of the late Mrs. Greer. The income from this fund is

designated for scholarships for worthy students of high character ar intelligence who have financial needs. Such students are selected by th college authorities.

Aram Philibosian Music Scholarship

A full, applied music scholarship for one year for a qualified, gifte brass instrumental major. Instrument to be specified and approved an nually by instrumental department. Audition will be required and sele tion will be based on academic scholarship, musical talent, interest, an recommendations by former teachers. Renewable annually.

Mathematics Scholarship
Union University

Union University offers a scholarship of $400 to winners in Regiona and State-wide competition in Comprehensive Mathematics Examination as follows:

(a) $100 to Freshmen who are eligible for admission to Unio University, who are among the top ten finalists in the state wide comprehensive examinations, or who are first, second c third place winners in the comprehensive regional examination.

(b) Renewable for $100 in the sophomore year upon continue pursuit of mathematics and satisfactory performance in a subjects.

(c) Renewable for $100 each in the junior and senior years upo the selection of mathematics as a minor or a major subjec field, and upon satisfactory performance in all subjects.

Official certificate, signed by the proper authorities, must be presented

Science Fair Scholarship

Scholarships in the amount of $150.00 each will be given to student entering Union University who have been judged first place winners i Science Fairs held in Jackson, Tennessee and Shelby County. Thes scholarships are continued on condition that an academic standing o 2.0 is maintained.

The Algee-Auston Scholarship Fund

The Algee-Auston Scholarship Fund of three hundred dollars, giver annually, was established in 1957 by Mr. and Mrs. Shelton Auston o Ridgely, Tennessee, in memory of their parents, Mr. and Mrs. W. R. Algee and Mr. and Mrs. W. T. Auston. This scholarship is for the purpose o assisting two outstanding students from the Sophomore, the Junior or the

Senior class, one hundred fifty dollars each to a boy and a girl. Recommendations from the donors have preference.

The Geneva Stone Forrester Scholarship Fund

The Geneva Stone Forrester Scholarship Fund was contributed by her daughter, Mrs. B. J. Williams, her son, Eugene S. Forrester, and friends for the purpose of assisting worthy girls who are preparing for the profession of nursing and who have need of financial assistance.

The Madison-Chester Association W. M. U. Scholarship

The Woman's Missionary Society of Madison-Chester Association contributes a fund annually as a scholarship for students of good academic standing who are particularly interested in some form of religious service. Recipients are to be selected jointly by the Union Scholarship Committee and the officers of the Woman's Missionary Society.

Preston Ramsey Scholarship Fund

This fund was created in memory of the late Dr. Preston L. Ramsey, alumnus and former trustee of Union University, who served churches in West Tennessee and Kentucky throughout his many years of ministry. The fund was provided by Mrs. Ramsey and friends of the family.

Class of 1962 Scholarship Fund

This fund was donated to the college by the graduating class of 1962, to be used for providing an award annually to the graduating senior who had attended Union University four years and who had attained the highest scholastic average.

The Delay Missionary Scholarship

A fund in the amount of $500.00 provided by Mr. and Mrs. Fred DeLay of Nashville, who for several years were associated with Union University. The money is to be used as scholarships for young women who have surrendered to the call for service as missionaries. The considerations to be at the discretion of the Scholarship Committee and the President of the college.

Loan Funds

Walter Gray Fund

In August, 1918, Mrs. Sallie Patrick established a student loan fund in memory of her deceased son, Walter Gray. Subsequently, additional gifts have increased the fund to $2,000.00.

Betty Sevier White Memorial Fund

The Betty Sevier White Memorial Fund was established in Januai 1919, by her husband, Mr. Henry White, and son, Henry White, J of Jackson, Tennessee. The establishment of this fund is a worthy tribu to one who had been active in her church life and shared a great intere in young people.

Lanier Fund

In September, 1920, Mr. W. J. Lanier established a fund of $1,500.(in memory of his father and mother, Mr. and Mrs. J. P. Lanier, and h daughter, Rubie Marie. The fund, to which additions have been mad is used to assist worthy students.

W. H. Nichols Fund

In April, 1921, Mr. W. H. Nichols established a fund to be loaned t young ladies studying for missionary work.

L. J. Brooks Fund

In May, 1921, Dr. L. J. Brooks, an alumnus of West Tennessee Colleg (now Union University), established a fund of $1,060.00 in gratefu recognition of his interest in his Alma Mater and in young people wh need assistance in obtaining a college education.

Ministerial Loan Fund

A fund provided in recent years by the Baptist State Executive Boar to be loaned to young ministers.

Class of 1922-23

The Class of 1922 established a fund of $1,000.00 as a class memorial The Class of 1923 added $570.00 to this amount to be used for scholarshi purposes for worthy students.

Senior Class Fund

Established by the graduating class of 1959-60, for the purpose o assisting worthy seniors who qualify according to the general regulation governing loan funds.

H. C. Sanders Fund

Because of his deep interest in Christian Education, Dr. H. C. Sanders t up a loan fund for worthy young men and women, which now amounts o $1,392.00.

The Crump Fund

Mrs. W. O. Crump, being impressed with the possibilities of loan funds or rendering great service to worthy young people, established a fund f $200.

Mrs. Alice Sturgis Auston Loan Fund

This fund was given to the college by Miss Lara Kendall in memory f her mother, Mrs. Alice Sturgis Auston, to be used to aid young women n securing a Christian education.

Hall-Moody—I. N. Penick Loan Fund

The trustees of Hall-Moody Junior College have transferred to Union University the loan funds of that college, amounting to more than $3,500, his fund to bear the name indicated. This fund is represented at present almost entirely by notes of students to whom it has been loaned. It will become available for students in Union as the notes are paid.

The Henry M. and Lena Myer Kahn Loan Fund

The Henry M. and Lena Myer Kahn loan fund of $1,000 was established in September, 1952, through the interest of Mr. Abe Waldauer, attorney of Memphis, who is a trustee of the Kahn estate.

Jarman Loan Fund

In affectionate memory of Reverend and Mrs. L. B. Jarman and because of their interest in missionary students, Mr. Lawson Hughes established a student loan fund of $500 in 1952 to be known as The Jarman Loan Fund.

Samuel Williams Meek Loan Fund

In memory of Samuel Williams Meek, a loan for worthy students was established by his son Samuel W. Meek.

Norris Gilliam Loan Fund

The Norris Gilliam Loan Fund was established in 1957 by Mrs. Ma B. Gilliam and her sons, Norris Jr., and Bobby Joe, in memory of the late husband and father, Norris Gilliam, alumnus and former member the Board of Trustees of Union University. The fund is used for ma students who have dedicated their lives to full time Christian servic Many friends have added contributions to this fund.

J. Earl Seaton Loan Fund

In April, 1956, Mrs. Earl Seaton established a Student Loan Fund i memory of her husband, J. Earl Seaton. Additions to this fund have bee made. The fund will be used to assist worthy students.

Pilot Club of Jackson Nurses Loan Fund

This fund was created by the local Pilot Club, International, a classifie woman's civic club, for the purpose of assisting young women who ar pursuing the nursing program, with stipulations as follows: (1) that th loan be made available to second-year students in the program; (2) max mum of $200.00 to any one student; (3) the loan to be repaid followin graduation and bearing 3% interest from that date; (4) only studen whose homes are in the Jackson-Madison County area will be eligibl

The Claudia Proctor Memorial Loan Fund

This fund was created by Mr. and Mrs. Ira Proctor of Collierville Tennessee, in memory of their deceased daughter, Claudia, whose higl purpose had been to attend Union University. It is to be awarded pri marily to 4-H boys and girls and secondarily to anyone in need. It i further stipulated that if a branch of Union should be established i Memphis or Shelby County, the fund is to be transferred to that unit.

Mae Lyon Memorial Loan Fund

This fund was created by Miss Mae Lyon in memory of her deceased sister, Mrs. Murdock. It is to be used for assisting worthy young women whose academic records are creditable and who have financial needs.

Altrusa Nursing Scholarship Fund

This scholarship is awarded each year to a nursing student selected on the basis of character, aptitude, and scholarship.

Consolidated West Tennessee Medical Assistance Loan Fund

This is for nurses only, who are in their second year. It is restricted to residents of West Tennessee. There is a $500.00 limit per student per school year.

Medical Staff of Jackson-Madison County General Hospital Nursing Loan Fund

This loan fund is made available by the Medical Staff of the Jackson-Madison County General Hospital, Jackson, Tennessee, and at the request of the Medical Staff, Union University administers the loan. Loans from this fund are available only to nursing students in their second year. The maximum loan to any one student shall not exceed five hundred dollars ($500.00). Interest on the loan shall begin on the date of graduation at the rate of three percent (3%) per annum. Repayment of the loan may extend over a period not to exceed two (2) years from date of graduation. The first payment will be due within ninety (90) days after date of graduation. A student receiving a loan from this fund must be willing to sign the specified agreement.

Gurley - Chrysler Loan Fund

This loan fund was established by Mr. A. E. Gurley, Class of 1927, and Chrysler Corporation with matching funds. It is a loan fund for science majors. Decision as to qualifying and deserving students should be made by the heads of the science departments. Basis is character of individual student and scholarship.

Other Funds

The following loan funds have been established in the names of the donors to be awarded to worthy students according to the discretion of the authorities of the college: Alexander Loan Fund, The Burnley Loan Fund, Savage Memorial Loan Fund, and the Roy McCollum Loan Fund.

Certain Sunday school classes in the First Baptist Church, Jackson, the Men's Sunday school class of the First Baptist Church, Clarksville, the West Jackson Baptist Church, and the W.M.U. of the Central Association have given funds which have made it possible for several students to remain in school. The late Miss Mabel Edenton established a fund of several hundred dollars. The Alma Fulghum Appleton Loan Fund for teachers was established by H. B. Appleton.

A number of churches have provided scholarship funds, some of which are restricted for students from their respective congregations and others are unrestricted.

Still other funds established by individuals and organizations are: Cox, Ministerial, Crook, Chi Omega, Guy C. Hall, Metz, Missionary Girls, Hattie Mackey, R. K. Bennett, Crockett Loan Fund for Girls, the Lydia Circle Loan Fund, and other friends whose names were withheld by request.

Regulations Governing Loans

The above funds, except those designated otherwise, are loaned under the following regulations: First, funds are available to students who have demonstrated their real worth in college. Class records and deportment in general are considered. Second, six per cent interest is charged. Third, at present, due to the limited amount at our disposal, we must limit the amount loaned to any student to two or three hundred dollars a year, depending on need. Fourth, students who do not have insurance protection or property must offer approved security. Fifth, the signature of parent or guardian is requested for students under twenty-one years of age.

National Defense Student Loan Program Available For:

1. "Students with a superior academic background who express a *desire to teach in elementary and secondary schools*";
2. "Students whose academic background indicates a superior capacity or preparation in *science, mathematics, engineering,* or a *modern foreign language.*"

Student Employment

The college and community offer opportunities for part-time employment to more than one-third of the student body. Individual earnings range from a few dollars to a few hundred dollars, according to the kind of work done. The president of the college assigns workships on the college campus.

ACADEMIC PROGRAM

Guidance and Counselling

Academic Regulations

Academic Requirements

Courses of Instruction

The purpose of liberal education is the development of understand-
ing, the cultivation of insight, and the guidance of action so as to fit th-
student for living in; adjusting himself to; and becoming effectual towar-
changes for betterment in a contemporary world. Freedom and daring t-
thought are central in the whole process of liberal education.

W. F. Jones

GUIDANCE AND COUNSELLING

Guidance And Testing Service

Guidance and counselling have constituted an integral and important place in the program of every good teacher since the beginning of the art. Only recently, however, has this area of work become an organized procedure in our educational system.

Guidance at Union University consists of a program of activities dealing with all areas of student life in which the assistance of mature persons might be beneficial. A program of testing for freshmen, includes tests of general mental ability, English, mathematics, and reading. On the basis of these tests, students are classified according to their needs, and remedial work in reading and English is offered. This service further provides for laboratory experience in reading on a developmental basis, which is open to all students. Available also in the testing laboratory are aptitude, achievement, general ability and various physical tests. Courses in psychological adjustment and orientation are offered, and a carefully planned program of counselling with reference to problems of a personal, educational and vocational nature is carried out.

A director of guidance co-ordinates the work, but all teachers and staff members are held responsible for guidance whenever and wherever it is needed. Care is exercised to encourage and lead students to accept their responsibilities in the adjustment and solution of their own particular problems.

Union University is authorized to administer the General Education Development tests to veterans and other adults 21 years of age or older.

All students who have not been enrolled previously in Union University are required to complete a battery of prescribed tests as follows:

(a) Freshmen at admission or on dates specified by the dean.

(b) Transfers during first semester as prescribed by the dean.

Pre-Professional and Professional Curricula

Liberal Arts-Professional Degrees

Students who complete the pre-professional requirements, the prescribed work for degree including major and minor requirements and three years residence acceptable to Union University before entering a school of medicine, pharmacy, dentistry, medical technology, engineering, or law may receive the Bachelor Degree upon completing one year in an approved professional school. Union University in cooperation with the Baptist Memorial Hospital offers a four-year course leading to a Bachelor of Science Degree in Medical Technology to be awarded by Union Uni-

versity. The fourth year of this work is taken at the Baptist Memori Hospital. All work toward the arts-professional degree must be certifi to Union University by April 1 preceding the commencement and a plication for graduation filed with the registrar's office by October 1 preceding.

Pre-Legal Course

The pre-legal course at Union University is designed to me the requirements of most law schools in Tennessee and adjoini states. In the event a change of plans or decision warrants continue college work over an extended period, the course follows the general pla of work leading to a degree.

	Semester Hou
English 111, 112, 211, 212	12
History 211, 212	6
Political Science, Sociology or Economics	6
Psychology 214	2
Mathematics or Lab Science	8
Language	14
Art, Drama or Music Appreciation	4
Accounting 211, 212	8
Speech 213	3
Physical Education	2
Religion	6
Electives (Major and Minor)	25
	96

Three-Year Engineering Course

By co-operative agreement with the University of Tennessee a studen completing three years as outlined below may transfer to the College o Engineering at the University of Tennessee.

The following three-year program is suggested for students at Unio University to be followed by two years in the College of Engineering at th University of Tennessee.* Upon the successful completion of the first yea of prescribed study at the University of Tennessee the student will be awarded the B.S. degree by Union University, and will receive the B.S in Engineering from the University of Tennessee upon the successful com- pletion of his second year of study:

Freshman Year	*Semester Hour*
English 111-112	6
Chemistry 111-112	8
Mathematics 111-112, 114	10
Art 111	2
Education 111	1
Engineering Drawing 111-112	4
History 211 or 212	3
Physical Education 111-112	1
Total	35

*A similar program may be pursued with other recognized engineering schools with the approval of the Engineering Coordinator of Union University.

Sophomore Year

	Semester Hours
English 211-212	6
Mathematics 211-212	8
Physics 211-212	8
Engineering Drawing 211-212	4
Engineering Problems 115	2
Religion	6
Physical Education 211-212	1
Total	35

Junior Year

	Semester Hours
Physics 313-314 (6) or Chemistry 311-312 (8)	6 or 8
Mathematics 313-314-414	9
Engineering 114	2
Speech 213	3
Psychology 214	2
Economics 211-212	6
Elective Fine Arts	2
Elective in Social Science	2
General Electives	4 or 2
Total	36

Students who wish to study Chemical Engineering should take a second ear of chemistry; those who wish to take Industrial Engineering should lect a year of accounting.

Pre-Medical Course

The University of Tennessee School of Medicine and Vanderbilt Jniversity require three years of College work for entrance into the school f medicine. Medical schools, in general, emphasize the need for a broad eep, cultural background in preparatory work, preferably the bachelor egree, with special emphasis on the subjects in the following outline.

	Semester Hours
Chemistry 111, 112, 311, 312 plus 3 hours from 211, 212, 411, 412	19
Mathematics 111, 112	6
Biology 111, 112	8
English 111, 112	6
French or German	14
Physics 211, 212	8
Psychology 213	3
Electives	35
	99

Pre-Dental Course

	Semester Hours
Chemistry 111, 112, 311, 312	16
Mathematics 111, 112	6
Biology 111, 112, 213	12
English 111, 112	6
Physics 211, 212	8
Electives	22
	70

Pre-Pharmacy Course

	Semester Ho
Chemistry (must include qualitative analysis) 111, 112	8
English 111, 112	6
Mathematics 111, 112	6
Biology 111, 112, 311	11
Economics	4
Gen. Physics, 211, 212	8
Electives	17
	60

Pre-Medical Technology

	Semester Ho
Biology 111, 112, 213 or 311 and 312	12 or
Chemistry 111, 112, 211, 311, 312	19
English 111, 112	6
Mathematics 111, 112	6
Electives	53 or
	96

Pre-Nursing Course

	Semester Hou
Chemistry 111, 112, 311, 312	16
Biology 111, 112	8
Mathematics 111, 112	6
English 111, 112, 211, 212	12
History 111, 211	6
Political Science 211	3
Psychology 213, 214	5
Speech 213	3
*Electives	9
Total	68

NURSING

Philosophy

The program in nursing at Union University functions within th general policies, purposes and standards of the college.

Recognition of the importance of and the respect for the individual whether a student, patient, or other person is the guiding philosophy o the faculty member and student alike, as they work together at the bed side of the patient.

Through the establishment of a patient-centered curriculum with em phasis on the provision of individualized nursing care for persons with a health problem, the student, by use of a problem-solving approach, de velops her intellect toward rational thinking.

Nursing, as a social force, is a learned profession dedicated to service for society. Therefore, preparation for nursing is in harmony with the objectives of a Christian college—as Union University.

*Electives should be selected to include other required courses for Bachelor of Science Degree in the event the student decides to complete the requirements for the liberal arts degree prior to entering the school of nursing.

Principles

1. The curriculum is based on planned learning experiences organized ound basic nursing problems. This offers an opportunity to challenge e student to learn and to give patient-centered care.

2. Such subject areas as pharmacology, diet therapy, communicable eases, history of nursing and professional trends are integrated through- t the nursing courses. The content and clinical experience is planned move from the normal to the abnormal, and from the simple to the mplex. Clincial experiences are carefully selected by the college nursing culty and unnecessary repetitive experiences are eliminated. Intensive ucational use of clinical experiences includes time for analysis of such periences. All clinical periods are under the direct supervision of the llege faculty who select, supervise and direct student discussions and alysis of the daily assignments.

3. Careful selection of experiences which include continuous guidance the instructors at the bedside are means of keeping clinical experience ientated in direction of student learning needs. Focus is on the quality learning rather than the length of time the student is exposed to a arning situation.

4. The student is encouraged to use her nursing knowledge, under- anding and skills in a problem-solving process so that the student might evelop a broad interpretation of nursing as a social service provided y a profession for people with a health problem.

5. Upon the successful completion of this program, the student is xpected to have the ability to develop a plan of care that provides the ind of bedside nursing needed by the individual patient.

Admissions Requirements

Admissions requirements are the same in any other program of study t Union University except that in addition, the interested student must ave a personal interview with the Director of the Program before being dmitted to the program in nursing.

Transfer Students

Since this program is a newer concept in the preparation of persons or bedside nursing, transfer students are considered on an individual asis. However, it is not possible to complete the courses in nursing in ess than the time prescribed.

Requirements for Graduation From the Program in Nursing

The program is two school years and one summer session in leng The student is required to follow the prescribed pattern of study in sequence as described in the outline.

Successful completion of the program means that the student has s cessfully passed all of the courses, academic and professional and ha total of seventy-three (73) quality points.

Status of Graduate of Program

Upon successful completion of the program in Nursing, the stud is awarded an Associate in Arts in Nursing by Union University.

Since this program is approved by the Tennessee Board of Nursi the graduate is eligible to take the State Board of Nursing Examinatic for license to practice as a Registered Nurse (R.N.) in Tennessee.

Tuition, Fees, and Special Costs

See section on Financial Information for tuition, fees, etc. In additio the following special costs are included.

Insurance fee ..... $5.00 per year
Uniform costs ..... $12.50 first semester
$12.50 second semester
White hose
White shoes
Books an additional cost of
about (total) ..... $35.00—more than regular courses
Watch with a second hand
Bandage scissors $5.00
Name pin $1.00
Transportation to and from the nursing laboratory

COURSE OF STUDY FOR THE TWO-YEAR NURSING PROGRAM
FIRST YEAR

Fall Semester	*Semester Hou*
Chemistry 111—General Chemistry	4
English 111—English Composition	3
Home Economics 113—Nutrition	3
Nursing 111—Fundamentals of Nursing	3
Psychology 213—General Psychology	3
TOTAL	16

ing Semester *Semester Hours*

Biology 112—General Biology	4
English 112—English Composition	3
Nursing 112—Maternal and Child Health	7
Psychology 218—Developmental Psychology	3
TOTAL	17

st Summer *Semester Hours*

Biology 213—Bacteriology	4
Nursing 113—Psychiatric Nursing	6
TOTAL	10

SECOND YEAR

ll Semester *Semester Hours*

Biology 311—Anatomy and Physiology	3
Nursing 211—Medical and Surgical Nursing	9
Sociology 211—Principles of Sociology	3
TOTAL	15

ring Semester *Semester Hours*

Biology 312—Anatomy and Physiology	3
Nursing 212—Medical and Surgical Nursing	9
Religion 111—Old Testament Survey or Religion 216—Life of Christ	3
TOTAL	15

Teacher Education

Union University accepts teacher education as one of its objectives. The program for teachers as outlined below is in conformity with the new regulations for certification of teachers in Tennessee adopted by the State Board of Education, August 7, 1959.

Program for Teachers

I

Elementary and High School

The work of the freshman and sophomore years is the same for all groups. The work of the junior and senior years is differentiated for

teaching positions in elementary and high school areas. Students comp
ing the freshman and sophomore years as outlined below will meet c
riculum requirements for the Teachers Emergency Certificate in Tenn
see. Prospective teachers must also possess basic character and persona
qualifications.

Freshman Year

	Semester Ho
English 111-2	6
Natural Science	8
*Mathematics 111, 112, or 115	6 or
or	
Foreign Language	8
Art 111	2
Education 111	1
**Physical Education 111, 112	1
Religion 111, 112, or 216, 217	6
***Electives	3
Total	**34**

Sophomore Year

	Semester Ho
English 211, 212	6
Natural Science	8
or	
Foreign Language	6
Physical Education 211, 212	1
History 211 or 212	3
Psychology 213, 214	5
Political Science 211 or Social Science elective	3
Health Education 324	3
Music 216	2
Geography 213	2
Total	**31-33**

*Math 115 and Foreign Language required for A.B. degree.

**Students excused from required physical education will elect other courses i
physical education.

***For A. B. degree only.

II

Elementary Teachers

Students who continue the curriculum for teachers through their junior d senior years and complete the work as outlined below will meet re- irements for a Teachers Professional Certificate in Tennessee, grades 1-9.

A. All requirements for the A.B. or B.S. degree.

B. Twenty-one semester hours of professional work: Psychology 313 and 318; Education 313, 314, 315, 316, 319, 323 and 411.

C. Twenty-six semester hours in the subject matter fields listed below:
   1. Language Arts: English 216, Speech 213, and Education 322.
   2. Natural Science: Physics 112.
   3. Humanities: Art 215, Music 457.
   4. Health and Physical Education: Physical Education 220; Health Education 326.
   5. Social Studies: Geography 311; History 315.
   6. Mathematics: Mathematics 113.

D. The minor is automatically included in this curriculum.

III

Secondary School Teachers

Students who continue the teacher curriculum throughout their junior ıd senior years and complete the work as outlined below will meet re- uirements for a Teachers Professional Certificate in Tennessee, in selected ıbject fields, grades 7-12.

A. All requirements for the A.B., B.S., or B.M. degrees. A student preparing to teach in Secondary School will select a major in the area in which he plans to teach.

B. Twenty-one semester hours of professional work. Psychology 313 and 318; Education 317, 321, and 413, plus two semester hours of a materials and methods course in the subject matter field in which the student will be certified or additional two hours in practice teaching; also a student must complete a minimum of four (4) semester hours from Education 316, 319, 323, or 426.

C. Since the number and distribution of semester hours required in each of the subjects, in which it is desired to certificate, will vary among the different subject fields, the student will plan his work in consultation with his advisor and a member of the department of education or the dean or the registrar.

Practice teaching (Education 411 and 412, or Education 413 and

414) will be offered only during the spring semester. Before a st-dent may enroll for practice teaching he must satisfy all the p- requisites as listed with the course description in the departm- of education and psychology that relate to practice teaching.

Teachers Temporary Certificate

1. Conditions for Issuance of Certificate.
   a. The applicant must have completed four semesters of coll- work with not less than 60 semester hours credit including a mi- mum of 30 semester hours credit in general education.
   b. The applicant must have completed a minimum of 4 semes- hours of professional education including a group of experien- designed to develop an understanding of the concepts underlyi- human growth and development.
   c. The applicant has not previously been issued a Tennessee Temp- rary Certificate.

Religious Education

THERE APPEARS to be an enlarging field of service for church secretari- music and religious education directors or a combination of these. Uni- University seeks to serve the interest of the churches by providing oppo- tunity for training on the college level in these various areas.

The following suggested areas of study are a composite from whi- students may choose in accordance with their major fields of intere- These areas primarily include the fields of English, Music, Business Ed- cation, Religion and Religious Education. The individual, in conferen- with his adviser, will choose his areas of concentration in accordance wi- his specific purposes in preparation.

Placement Bureau

ALTHOUGH a considerable number of each senior class at Union go c- to graduate study for one or another of the professions, many enter d- rectly upon their careers. The Director of Student Personnel makes co- tacts and schedules interviews with representatives of business and in- dustrial firms and with school officials. Each year the Director is succes- ful in placing most of the graduates in the careers of their choice.

ACADEMIC REGULATIONS

Definition of Terms

Credit Hour

THE UNIT for counting credit is the semester hour. A semester hour is efined as an hour of class work a week, or its equivalent in laboratory, ursued for one semester. (A semester is approximately 18 weeks.)

Grades and Quality Credits

All work is graded by letter which may be interpreted in percentage gures as follows: A 95-100, B 85-94, C 75-84, D 65-74, F below 65. , B, C, and D are passing grades; F is failure. A failure can only be emoved by repeating the course in class. P, indicating incomplete work, r absence from examination by excuse, must be made up within the ext semester of the student's residence; otherwise, the incomplete grade ecomes a failure. WP is withdrawal from a course and signifies that the tudent was passing the course at the time of withdrawal. Such with- rawal is given during the period allowed for officially dropping a course. uch withdrawal may be granted by the dean at any time after this period f the student meets conditions as stated under regulations concerning dropping of classes. WF is withdrawal from a course and signifies that the tudent was failing the course at the time of withdrawal. This applies to oth official withdrawal or unofficial dropping.

The various grades with their corresponding quality credits are shown elow:

A—3 quality credits for each hour of credit

B—2 quality credits for each hour of credit

C—1 quality credit for each hour of credit

D, F, and P carry no quality credit. Two quality credits shall be subtracted for each hour of F grade and WF.

For graduation a student must present a minimum of 128 semester hours and 128 quality credits. When more than 128 hour credits are presented, the number of quality credits must equal the number of hour credits.

Student Classification

Students will be classified as follows:

FRESHMEN—A student who has no conditions required for entrance and who is carrying at least 12 hours of work.

SOPHOMORE—A student who has at least 24 hours of college credit.

JUNIOR—A student who has at least 56 hours of college credit.
SENIOR—A student who has at least 86 hours of college credit, at le
86 quality credits, and has completed all prescribed freshman a
sophomore courses for graduation—pages 73 and 74. This regulati
becomes effective for all students beginning with school year 1964-

Major and Minor

A major consists of a minimum of 24 hours in a single department.
minor consists of a minimum of 18 hours in a single department. T
hours of a major and 6 hours of a minor must be done in junior a
senior courses.

Dean's List

Students who make an average of 2.3 or above are placed on t
semester honor roll, which is entitled the Dean's List.

General Academic Regulations

Change of Classes

A STUDENT making a change in his class schedule after completion
his registration will complete this procedure:

1. Obtain proper forms from registrar's office.
2. Secure the signatures of adviser and of the professor in wh
class he is enrolling.
3. Present to the registrar for final approval.
4. Secure the bursar's stamp.

Fees as specified on the change card are payable for all changes
class schedules except when such changes are requested by the dean
registrar.

No change may be made in classes after one and one-half weeks of t
term have elapsed.

Dropping of Classes

COURSES may be dropped after the fourth week without penalty und
the following circumstances:

1. Extreme illness, in which case a physician's certificate approv
by the college physician must be submitted and approved by t
dean.
2. Other circumstances beyond the student's control, approved
the dean.

In the event of the above conditions the student shall receive the gra
of WP (signifying passing at the time of withdrawal) or the grade
WF (signifying failing) as indicated by the instructor.

All withdrawals without the dean's permission will receive WF in all ›urses pursued.

Withdrawal From School

STUDENT withdrawing from school during a semester must clear with egistrar's Office and Business Office by completing drop cards.

Students will be allowed to withdraw after 14 weeks under conditions ated in (1) and (2) and will receive P (postponed grade) in all ›urses.

Scholastic Regulations

STUDENT must maintain a satisfactory scholastic standing in order to ›main enrolled in Union University.

Satisfactory scholastic standings are:

Freshman	.75
Sophomore, Junior, Senior	1.0

A student failing to attain and maintain the scholastic standing required or his classification is placed on scholastic probation. He is given one emester to remove probation.

Failure to remove probation will result in suspension for one semester.

A student readmitted following such suspension will be allowed one emester to remove probationary status. Freshmen readmitted after sus›ension and who remove scholastic probation are granted one additional emester to meet satisfactory scholastic standing for sophomore lassification.

Failure to remove scholastic probation the second time is equivalent o exclusion.

A student may appeal to the dean to appoint a committee to review his ase before he is *excluded* from the university.

A student who fails all academic courses for which he is enrolled will e suspended for one semester.

A student who has been suspended for one semester must be approved by the committee on admissions for readmission to the university.

Honors Program

During the second semester of 1961-62 there was inaugurated at Union an Honors Program. Its purpose is to encourage the more able students to engage in independent study. Participation in the program is limited to seniors chosen by the head of the department concerned in concert with

the Dean and the Honors Program Committee. Application for admissi to the Program must be made by the student in writing, and he m engage in only one Honors course at a time. The program is in operati only during the regular academic year, and is operated only in connecti with regular courses.

A student participating in the Honors Program is not required to atte classes nor to take the regular tests of the course, but he must consult wi his director at regular intervals. At the discretion of the director, a stude doing unsatisfactory work may be transferred from the Honors Progra to the regular course.

The program consists of three parts—the reading of a list of materi broader in scope than the regular class readings, the presentation of paper and its defense before a board of examiners, and a written exa ination covering the student's readings.

Recognition of successful participation in the Honors Program given in the student's permanent record, on his diploma, and on all li of his collegiate achievements. Participation in the program is limit to juniors and seniors.

Honor Students

STUDENTS making an average of 2.5 or above during their college care graduate as honor students, as follows: 2.50-2.66 cum laude; 2.67-2.8 magna cum laude; 2.84 and above, summa cum laude.

Numbering of Courses

THE COURSES in the different departments are numbered from 100 600.

Courses from 100 to 199 are freshman courses.
(freshmen restricted to 100-200 level courses)

Courses from 200 to 299 are sophomore courses.
(sophomores restricted to 200-300 level courses)

Courses from 300 to 399 are junior courses.

Courses from 400 to 599 are senior courses.

Size of Classes

EXCEPT under extreme circumstances, classes will be composed of minimum of 10 to 12.

Regulations Concerning Quantity of Work

FRESHMEN may not register for more than seventeen hours, includin physical education, during their first semester, except those who hav a superior high school record and a superior rating on tests administere

y the college. After this time they may register for not more than seven-
en hours unless during the preceding semester they made an average
f B or above. The maximum number of hours for any student is
ghteen.

Class Absences

A student whose unexcused absences exceed the number of times the class
neets per week will be charged with one-half semester hour per course
nissed. If his unexcused absences exceed more than twice the number
f times the class meets per week, he will be charged with an additional
ne-half semester hour per course. Negative hours will be charged against
he total number of hours for which the student is enrolled.

For each negative hour or fraction thereof, a corresponding number
f quality credits will be deducted from the total number of quality
redits credited to the student's record.

A student whose unexcused absences equal three times the number of
imes the class meets per week will be automatically dropped from the
lass.

A STUDENT may not receive credit in a course from which he is absent *or any reason* during the semester more than the following maximum: Four Hour Course—20 times; Three Hour Course—15 times; Two Hour Course—10 times; One Hour Course—5 times.

Chapel Absences

ALL STUDENTS carrying twelve or more hours are required to attend the regular chapel exercises twice each week. Chapel absences are excused on the same basis as class absences. When a student accumulates four unexcused chapel absences, he is subject to discipline by the discipline committee. A student who accumulates seven unexcused chapel absences within a semester is automatically suspended for the remainder of the semester.

Absences are excused by the Academic Dean in case of illness or equivalent.

ACADEMIC REQUIREMENTS

Graduation Requirements

General Requirements

THE TOTAL NUMBER of semester hours required for graduation is 128. (this total 42 hours must be junior and senior courses.

Degrees Offered

Union University offers three degrees—Bachelor of Arts, Bachelor Science, Bachelor of Music, and Associate of Arts in Nursing.

A student may have two degrees conferred when the requirements both have been met fully, provided that he has a minimum of thirty hou to offer, over and above that required for the first degree; a new maj must be completed for the second degree. See page 57 for informatic regarding Arts-Medical, Arts-Dental, Arts-Pharmacy, Arts-Law, ar Arts-Technological degrees.

Minimum Attendance

Time, as well as hours of credit, is required for graduation. A minimu of seven semesters of residence in an approved college is required f graduation. Thirty-two semester hours must be done in residence Union University. All work of the semester preceding graduation must b done in Union, except that of Pre-legal, Pre-medical, Pre-technologica Pre-dental, Pre-pharmaceutical, and Engineering students.

Work in Residence

A transfer student is required to take in residence at Union eigh semester hours in his major field and six semester hours in his minc field.

Prolonged Delay of Completion of Graduation Requirements

A student re-entering the University or transferring to the Universit whose transcript indicates a lapse of ten years since the last academi credit was earned in residence must have a conference prior to enroll ment with a committee composed of the Dean, Registrar, major professo minor professor, and a divisional chairman to be appointed by the Dean A program of study will be formulated for the applicant to complet before a degree will be granted.

Minimum Amount of Language and Science Allowed

No credit toward graduation will be given for less than a year of firs year language taken in college. No credit toward graduation will b given for less than a year of freshman chemistry or general physics.

Maximum Hours Allowed in a Subject

The maximum number of hours allowed in any one subject field is 36.*

Application for Graduation

Application for graduation should be filed in writing with the Registrar ɔt later than the beginning of the first semester prior to the June onvocation.

Faculty Approval

All candidates for graduation must be approved by the faculty. All ɔnditions should be removed by the opening of the last semester.

Exemption From Examination

Seniors who have met all other requirements for graduation will be xempt from the final examinations in all courses taken during their ast semester or term.

Comprehensive Examinations

Seniors are required to take the graduate record examinations in their elds of major study.

English Proficiency Examination

An English Proficiency Examination to be administered by the English Department and the Director of Testing is required of all students. Students not making a passing score on this examination will be required o take English 321, Advanced Grammar.

Course Requirements for Graduation

Students may graduate either under the course requirements specified n the catalog of the year of their admission or those in force at the time ɔf their application for graduation. In case five years have elapsed since a student's latest enrollment in Union University, he may graduate either under the course requirements of the catalog of his re-admission or those in force at the time of his application for graduation.

Scholastic Requirements

The completion of the required 128 hours usually requires four years of 32 semester hours per year. Of these the freshman and sophomore years are spent in general, or core curriculum work, comprising courses in widely separated subjects. During the remaining two years, the student may combine his work within comparatively narrow limits. The work for the entire four-year course consists of (1) prescribed courses, (2) major and minor courses, (3) electives.

Electives

A certain number of electives may be taken from the regular college courses offered in each department. The wise student will always complete

*Does not apply to B.M. Degree.

his required work first. Failure to do this frequently forces students to ta more than 128 semester hours in order to graduate.

Majors and Minors

By the beginning of his junior year, each student is required to sele one subject as his major and one subject as his minor and to file a Seni Rating Sheet with the Registrar. A major consists of a minimum of 2 semester hours. The minor consists of a minimum of 18 semester hours. C the requirements in the major 10 hours must be from the upper divisic courses—i.e., courses numbered above 299. Of the requirements in th minor 6 hours must be from upper division courses. All majors and mino must be approved by the major and minor professors and the registrar o the college. To satisfy the requirements for the field of major study on grades of "C" or better in the 300 and 400 courses may be included.

The following majors are offered.

Bachelor of Arts

Art	French	Religion
Business Administration	History	Sociology
Economics	Mathematics	Spanish
Elementary Education	Music Literature	
English	Psychology	

Bachelor of Science:

Biology	Elementary Education	Psychology
Business Administration	History	Physics
Chemistry	Mathematics	Sociology
Economics	Physical Education	

Bachelor of Music:

Instrumental	Voice	Sacred Music
Piano	Music Education	
Organ	Vocal Supervisor	
Band Instruments	Instrumental Supervisor	

The following minors are offered.

Art	French	Philosophy
Biology	Greek	Psychology
Business Administration	History	Religion
Business Education	Home Economics	Sociology
Chemistry	Mathematics	Spanish
Secondary Education	Music Literature	Speech
Economics	Physical Education	
English	Physics	

Prescribed Courses for Graduation With a Bachelor of Arts Degree

nglish 111-2, 211-2	12 hours
oreign Language**	Equivalent to 2 years college language
peech 213	3 hours
cience*	1 year
or	
athematics 111, 112 and 1 course selected from 113, 213 or 115	8 hours
istory 211 or 212	3 hours
sychology 213	3 hours
ore Electives (To be selected from at least 2—Geography, History, Sociology, Economics, Political Science, Philosophy 311)	9 hours
eligion 111, 112, 216, 217 (any 2)	6 hours
ine Arts (To include at least two of the following: Art 111, Dramatic Art 113, Music 216	4 hours
hysical Education 111-2, 211-2	2 hours

Physics 111-112 does not apply.

**A student with two high school units in a foreign language and who on ntering college shows on an entrance examination in the language that he is apable of doing second year college work, may complete the language require-ents by taking six additional semester hours on the second year level in that ame language. By examination a student showing exceptional ability may, if he hooses, enroll in courses above the 211-12 level to satisfy his language require-ent.

If the student fails to meet second year entrance requirements, it is recom-ended that he begin a new language in college and take 14 semester hours, or ake without credit in the language studied in high school part or all of the first ear courses in that language, the amount to be determined by demonstrated bility on the entrance test, and six additional semester hours on the second year evel with credit in the same language.

Advanced placement will be given when recommended as the result of College oard Placement Examination. Placement to be determined after conference with lean.

Prescribed Courses for Graduation With a Bachelor of Science Degree

English 111-2, 211-2	12 hou
Speech 213	3 hou
Laboratory Science (To include 1 year each of two fields)*	2 yea
Mathematics 111, 112 and 1 course selected from 113, 213 or 115	8 hou
History 211 or 212	3 hou
Psychology 213	3 hou
Other Core Electives (To be selected from at least 2— Geography, History, Sociology, Economics, Political Science, Philosophy 311)	9 hou
Religion 111, 112, 216, 217 (any 2)	6 hou
Fine Arts (To include at least two of the following: Art 111, Dramatic Art 113, Music 216)	4 hou
Physical Education 111-2, 211-2	2 hou

Prescribed Courses for Graduation With a Bachelor of Music Degree

English 111-2, 211-2	12 hou
Foreign Language (Voice majors)	2 year
(Other music majors)	1 year
Speech 213 (Music Education majors only)	3 hour
Physics 214	3 hour
History 211 or 212	3 hour
Psychology 213	3 hour
Core Electives (To be selected from Geography, History, Sociology, Economics, Political Science, Philosophy 311)	6 hour
Religion 111, 112, 216, 217 (any 2)	6 hour
Fine Arts (To include at least two of the following: Art 111, Dramatic Art 113, Music 217)	4 hour
Physical Education 111-2, 211-2	2 hour

*Physics 111-112 does not apply.

DIVISIONAL ORGANIZATON OF CURRICULUM

The various academic departments of Union University are grouped into four major divisions primarily for administrative and organizational purposes. The respective divisions include the subject fields which are interrelated and have common elements or characteristics either in content or in the nature of the learning processes involved. As a result of such organization rigid barriers have been reduced and a natural provision acquired for the interrelation of instructional procedures and for professional development.

Students are required to pursue certain prescribed courses in each division in order to attain the Bachelor's degree. Beyond these requirements they may choose from the various subject fields for majors and minors and electives.

The instructors in each division are organized as a unit for the purpose of coordinating the work of the division under the leadership of the divisional chairman.

I. DIVISION OF FINE ARTS

John Hughes, *Chairman*

Art
Dramatic Art
Music
Speech

II. DIVISION OF HUMANITIES

Charles D. Taylor, *Chairman*

English
Languages
Philosophy
Religion

III. DIVISION OF NATURAL SCIENCE

Ralph Donnell, *Chairman*

Biology
Chemistry
Mathematics
Nursing
Physics

IV. DIVISION OF SOCIAL SCIENCE

Richard Hiram Ward, *Chairman*

Business Administration
Business Education
Economics
Education
Geography
Health and Physical Education
History
Home Economics
Political Science
Psychology
Sociology

DIVISION OF FINE ARTS

The Division of Fine Arts has as its major objectives the following:

1. To aid in unifying and co-ordinating the work being offered in th various areas of the fine arts.
2. Through concentrated effort to promote greater interest in th arts.
3. Through combined efforts to offer greater impetus to the activiti sponsored by a single area within the division.

ART	MUSIC
DRAMATIC ART	SPEECH

MUSIC

The college recognizes that a complete curriculum in the liberal arts college should include a department of music in which a student may obtain a Bachelor of Music degree, a major or a minor in music under a Bachelor of Arts degree, or in which a student may take private lessons in applied music either with or without credit.

The aim of this department is to develop a high standard of musicianship, to equip the student with the musical skills necessary for him to be a professional and vocational leader, and to provide for the student cultural experiences in music. More directly, the department aims at preparing public school music teachers with state certification in the fields of vocal instruction as well as instrumental (band) instruction, and at training church musicians.

General Regulations for Students in the Department of Music

1. All Bachelor of Music degree candidates and music majors and minors under the Bachelor of Arts degree will be required to take band or chorus each semester of resident work, and may be permitted to take both simultaneously for credit.

2. Each music major and minor candidate under the Bachelor of Arts degree and all Bachelor of Music degree candidates will be expected to appear in recital at least once the first year of study, twice the second, third, and fourth years, including a graduation recital. Bachelor of Music degree candidates will be required to present a junior recital as well as a senior recital.

3. All Bachelor of Music degree candidates with a major other than piano or organ and all Bachelor of Arts degree students with a major or minor in music other than piano or organ must take class or private piano, until they show a proficiency in piano in accordance with following requirement: I. Major and Minor Scales; II. 1 accompaniment prepared, 4 hymns prepared; III. Sight Reading; IV. 1 Short Selection, prepared but not memorized. Students taking class piano in preparation for the piano proficiency exam must pass some part of the piano proficiency exam each semester in order to get a passing grade in class piano.

4. Music majors and minors will be required to attend seventy-five per cent of the formal recitals and all departmental recitals.

5. A minimum of two hours' daily practice is required in each applied music course.

6. Upon entering Union, each music student will be examined as to his ability to engage in the study of music on the college level or to continue in the study of music if a transfer student from another institution.

7. Private music lessons will be made up at the convenience of th instructor if notification of illness or any reasonable cause is made pri to lesson period. Cuts will not be made up.

8. No private lessons will be given during semester examination Time will be used for private study examinations.

9. Music students must secure approval from head of department f appearance in public performances.

10. Voice majors and minors must elect French or German f language requirements.

11. Bachelor of Music Degree students will automatically have minor in theory.

12. Music degree candidates will be required to take at least one lar ensemble throughout their course of study but only 8 semester hours credit in ensembles will be counted toward graduation.

13. The Singers' Diction will be required of all voice majors.

14. Music 217 will be required of all music majors, minors, an Bachelor of Music degree candidates as one of the two Fine Arts cours in the core curriculum.

15. Applied music credit will be granted as follows:

(1) Bachelor of Music Degree: three hours' credit per semester u to the senior year. Four hours credit per semester for the seni year.

(2) Bachelor of Arts Degree: Two hours credit per semester up the senior year. Three hours credit per semester for the seni year.

(3) Music Education Major and Sacred Music Major under th Bachelor of Music Degree: Two hours' credit per semester u to the senior year. Three hours' credit per semester for the seni year.

(4) Students wishing to take only one half hour lesson per week i applied music may receive one hour credit per semester.

Note: The Music Department reserves the right to decide each yea according to the demand and need of the students just which of th courses listed shall be taught.

16. Applied music credit for summer school (granted *only* for stud through both terms of summer school) will be granted as follows:

(1) Bachelor of Music Degree: Three hours' credit for four ½ hour lessons per week up to the senior level. Four hours' credit for senior level.

(2) Bachelor of Arts Degree: Two hours' credit for three ½ hour lessons per week up to the senior level. Three hours' credit for senior level.

(3) Music Education and Sacred Music Major under the Bachelor of Music Degree: Same amount of credit and lesson time as for the Bachelor of Arts Degree.

(4) Students wishing to receive only one hour's credit will take two ½ hour lessons per week through both summer terms.

17. The applied major will consist of twenty-four semester hours in te specific applied area. Exceptions to this amount of credit in the ajor due to changes of curriculum or other reasons must be approved h the head of the Music Department and Registrar.

DEPARTMENTAL MAJOR REQUIREMENTS

In addition to the basic core curriculum requirements for the Bachelor Music degree, the following courses must be taken:

INSTRUMENTAL MAJOR

usic 111-2, 211-2—Harmony
usic 181-482 inclusive; 153-454 inclusive; 155-456 inclusive; 191-492 inclusive—Ensemble (any 2 years)
usic 213-4—Advanced Sight Singing and Ear Training
usic 311-2—Conducting
usic 313-4—Orchestration
usic 315-6—Music History
usic 317-8—Form and Analysis
usic 411-2—Counterpoint
usic 413-4—Composition
usic 415-6—Pedagogy and Literature
pplied Music—equivalent of four years in major field

VOICE MAJOR

Music 111-2, 211-2—Harmony
Music 147-448 inclusive—Ensemble (any 1 year)
Music 320-1, 420-1—Opera Workshop (either year)
Music 213-4—Advanced Sight Singing and Ear Training
Music 218—Singers' Diction
Music 311-2—Conducting

Music 315-6—Music History
Music 317-8—Form and Analysis
Music 411-2—Counterpoint
Music 415-6—Pedagogy and Literature
Applied Music—equivalent of four years in major field (voice)

MUSIC EDUCATION, VOCAL SUPERVISOR

Music 111-2, 211-2—Harmony
Music 213-4—Advanced Sight Singing and Ear Training
Music 147-448 inclusive—Ensemble (any 1 year)
Music 320-1, 420-1—Opera Workshop (either year)
Music 311-2—Conducting
Music 315-6—Music History
Music 317—Form and Analysis
Music 411-2—Counterpoint
Education 424—High School Music Methods
Music 457—Public School Music
Music 415-6—Pedagogy and Literature
Applied Music—equivalent of four years in major field (voice)

MUSIC EDUCATION, INSTRUMENTAL SUPERVISOR

Music 111-2, 211-2—Harmony
Music 213-4—Advanced Sight Singing and Ear Training
*Music 237—String Methods
*Music 238—Woodwind Methods
*Music 239—Brass Methods
Music 181-482 inclusive; 153-454 inclusive; 155-456 inclusive; 191-49 inclusive—Ensemble (any 2 years)
Music 311-2—Conducting
Music 313—Orchestration
Music 315-6—Music History
Music 317—Form and Analysis
Music 411-2—Counterpoint
**Music 415-6—Pedagogy and Literature
Music 457—Public School Music
Education 424—High School Music Methods
Applied Music—equivalent of four years in major instrumental field

*Required of non-keyboard instrumentalists.
**Required of keyboard instrumentalists.

SACRED MUSIC MAJOR

**Music 147-488 inclusive, if voice major—Ensemble (any one year)
Music 111-2, 211-2—Harmony
***Music 181-482 inclusive, if piano or organ major—Ensemble (any one year)
Music 213-4—Advanced Sight Singing and Ear Training
Music 311-2—Conducting
Music 313—Orchestration
Music 315-6—Music History
Music 317—Form and Analysis
**Music 320-421 inclusive, if voice major—Opera Workshop (either year)
Music 411-2—Counterpoint
Music 413—Composition
Music 415-6—Pedagogy and Literature
**Music 218—Singers' Diction
***Music 141-2—Class Voice
Music 323—Hymnology
Music 324—Choral Procedures
Music 215—Church Music
Applied Music—equivalent of four years in major field

**Required of those with applied area of voice.
***Required of those in applied area other than voice.

In addition to the basic core curriculum requirements for the Bachelor of Arts degree, students desiring a music literature major or minor under this degree must take the following courses:

I. Major in Music Literature—26 hours
   - A. Applied Music ..... 10 hours
   - B. Music History ..... 6 hours
   - C. Harmony ..... 6 hours
   - D. Pedagogy and Literature ..... 4 hours

II. Minor in Music Literature—20 hours
   - A. Applied Music ..... 6 hours
   - B. Music History ..... 6 hours
   - C. Harmony ..... 6 hours
   - D. Pedagogy and Literature ..... 2 hours

THEORETICAL COURSES

115. Elementary Theory of Music. A course designed particularly for the layman, ministerial students and public school teachers. Stresses fundamentals and essentials of music notation

and terminology. No credit given to music majors. Meets tw weekly for one semester. Two hours' credit.

111-2. Elementary Harmony. Intensive drill in formation of scal intervals, and triads. Principles of chord progressions, cadenc The dominant seventh chord and its simple resolution. Assign melodies, basses, and original work. Simplest modulatio Approximately one third of time will be spent in keyboard h mony. Sight-singing proficiency to level of Music 114 prerequis for students with poor musical background. No credit allow toward graduation for less than two semesters. Meets three tin per week for two semesters. Three hours' credit per semester.

113-4. Sight Singing and Dictation I. Recognition and writing intervals. Drill in simple rhythms. Practical sight singing in one more parts. Prerequisite: proficiency to level of Music 115. Me twice weekly per semester. Two hours' credit per semester.

211-2. Advanced Harmony. Inversions of the dominant seven chord, regular and irregular resolutions. The diminished seven chord, secondary seventh chords, dominant ninth chords. Simp ornamentation. Assigned melodies, basses, and original wo Further drill in modulation. Approximately one third of time w be spent in keyboard harmony. Prerequisites: Music 111-2 a proficiency to level of Music 214. No credit allowed toward g duation for less than two semesters. Meets three times week Three hours' credit per semester.

213-4. Sight Singing and Dictation II. Continuation of Music 113 Emphasis on rhythmic, melodic, and harmonic dictation a polyphonic singing. Prerequisite: Music 113-4 or sight singi proficiency. Meets twice weekly. Two hours' credit per semest

215. Church Music. A course in the history of church music include current church music practices and philosophies wi special emphasis on the Southern Baptist denomination. Includ an introduction to great sacred choral literature in the larg forms. Meets twice weekly for one semester. Two hours' credit.

216. Music Appreciation (for non-music majors). A course deali with the development of music from the pre-Bach age to t modern period. Opportunity is provided for the student to list to recordings illustrative of the various periods. Meets twice week for one semester. Two hours' credit.

217. Music Appreciation (for music majors). A course designed f music majors on a higher level of advancement than Music 21 Deals at length with symphonic, operatic, chamber music, a solo literature. Instruction in more discerning listening and

criteria for judgement of quality in musical composition. Meets twice weekly for one semester. Two hours' credit.

218. Singers Diction. A course in the pronunciation of Italian, French, German, Spanish, Portuguese, and ecclesiastical Latin. Required of voice majors. Meets one hour per week for one semester. One hour's credit.

237. String Methods. A class of string instruments is conducted as an introduction to the teaching of stringed instruments. Meets one hour per week for one semester. One hour credit.

238. Woodwind Methods. A class in woodwind instruments is conducted as an introduction to the teaching of woodwind instruments and as a demonstration of class teaching of these instruments. One hour lecture and one hour laboratory per week for one semester. One hour credit.

239. Brass and Percussion Methods. A class of brass and percussion instruments is conducted as an introduction to the teaching of these instruments, and as a demonstration of class teaching of them. One hour lecture and one hour laboratory per week for one semester. One hour credit.

311-2. Conducting. A study of the history and evolution of the art of conducting musical groups; the use and applied technique of the baton; problems of vocal and instrumental conductors; essential qualifications of a successful conductor; choral and instrumental score reading. One hour lecture, one hour laboratory per week for two semesters. One hour credit per semester.

313-4. Sight Singing and Dictation III. Continuation of Music 213-4. Increasingly difficult tonal and rhythmic combinations; study of clefs; change of clefs; transposition and score reading. Melodic, rhythmic, and harmonic dictation. Music major elective. Meets twice weekly. Two hours' credit per semester.

315-6. History of Music. Music from ancient and medieval times to the present day, showing contributions to our present musical culture. The development of the opera, orchestra, instrumental music, etc. Contemporary trends. Observation and performance of typical compositions of representative composers, including little known early works. Collateral reading and reports. Prerequisite: Music 116 or consent of instructor. Meets three times per week for two semesters. Three hours' credit per semester.

317-8. Form and Analysis. Nomenclature. Consideration of musical form in music from ancient and medieval periods, through the polyphonic and nineteenth century periods, to the present day.

Prerequisites: Music 211-2. Meets twice weekly for two semester. Two hours' credit per semester.

320-1, 420-1. Opera Workshop. Lectures and discussions coverir standard operatic literature. Workshop sessions devoted to actu rehearsal and performance of scenes and arias from selected oper of any period. Solo selections and performances graded accordir to those in each section of the class. Prerequisite: Music 144. Mee twice weekly for four semesters. Two hours' credit per semester.

322. Choir Workshop. A class in methods and materials for grade choirs. Course includes supervised directing of various age grou and observance of various age groups. Prerequisite: Music 31 Meets once weekly for one semester. One hour's credit.

323. Hymnology. Analysis and appreciation of the great hymns the church. A study of their sources, development, and use i services of today. Meets three times per week for one semeste Three hours' credit.

324. Choral Procedures. A course dealing with methods and tech niques of choral training with special emphasis on the grade choir program in the church. Included is a survey of appropriat music literature for such a program. Part of the course is devote to a practice-directing project in which the student will work wit choirs of all age-levels in co-operating local churches. Meets twic a week plus a laboratory session of one and a half hours each wee for one semester. Three hours' credit.

331-2 (313-4). Orchestration. A study of the individual characte istics of the various instruments of the modern orchestra. Th arrangement for orchestra and band of original or standard com positions and arrangements for ensemble groups. Preparation c orchestral, band, and ensemble scores. Calligraphy; music cop and layout; reproduction processes; copyright law. Prerequisite Music 211-2. Meets twice weekly for two semesters. Two hour credit per semester.

411-2. Strict Counterpoint. The study of the five individual specie and florid combined species of strict contrapuntal writing. Pre requisites: Music 111-12. No credit toward graduation for les than two semesters. Meets twice weekly for two semesters. Tw hours' credit per semester.

413-4. Musical Composition. A study of methods and styles o musical composition. Actual compositions prepared by the stu

dents. Prerequisites: Music 211-2, 317-8. Meets twice weekly for two semesters. Two hours' credit per semester.

415-6. Pedagogy and Literature. A course of instruction primarily for instrumental or voice majors of advanced standing, considering the literature and methods of instruction in the respective field. For voice majors a prerequisite of ability to play vocalises at the piano by second semester is required. Meets twice weekly for two semesters. One hour laboratory period per week for the Vocal Pedagogy and Literature to be included as desired by the instructor. Two hours' credit per semester.

457. Public School Music. Selection and presentation of rote songs; the child voice in singing; treatment of the unmusical child; development of rhythmic and melodic expression; introduction of staff notation; directed listening. Prerequisite 115 or equivalent. Meets twice weekly for one semester. Two hours' credit.

APPLIED MUSIC

120. Secondary Piano. Designed to give the beginning student certain proficiencies he may use as a practical skill rather than as a medium of performance. Various curricula provide for the needs of the individual student, and are directed toward the requirements of the piano proficiency for music majors. Material covered will include beginning books for adults, major and minor scales, broken chord studies, easy sonatinas, and selections of the difficulty of Bach-Carroll, Book I. Sight reading will be emphasized. Credit not allowed toward Bachelor of Music degree or music major. One or two private half hour lessons weekly. One or two hours' credit per semester.

121-2, 221-2. Class Piano. Basic keyboard musicianship and piano playing in ensemble and solo selections graded according to those in each section of class. Meets twice weekly for two semesters. One hour's credit per semester.

125-6. Freshman Piano. All major scales, 4 octaves, at a moderate tempo; all triads and inversions, authentic and plagal condences in all keys; Etudes or exercises selected from Hanon, Czerny, Cramer; Bach, Little Preludes and Fugues, Two-Part Inventions; Sonatas of Haydn, Mozart, Beethoven; compositions by other classic and romantic composers. A minimum of three compositions must be satisfactorily played and two must be completely memorized at the end of the semester. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

225-6. Sophomore Piano. Continuation of technical plan including all major and minor scales and broken chord studies. Bach, Well-Tempered Clavier, Three-Part Inventions or material of similar

grade; Beethoven Sonatas; Compositions of other classic romantic and contemporary composers. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

325-6. JUNIOR PIANO. Continuation of technical studies including all major and minor scales, and arpeggios in root position. Bach French Suites or Preludes and Fugues from the Well-Tempered Clavier; Beethoven or Mozart Sonatas. Compositions of other classic, romantic, and contemporary composers. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

425-6. SENIOR PIANO. Continuation of technical studies including scales in 3rds, 6ths, and 10ths; Arpeggios in all positions. The student will be examined each semester in advanced material studied during the senior year. Senior recitals shall consist of one of the more difficult Beethoven, Schumann, or Chopin sonatas or any polyphonic work of similar grade; Chopin Etudes; pieces by Chopin, Brahms, Debussy, and contemporary composers. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

525-6. SENIOR PIANO. A course of advanced piano instruction for students with exceptional musical background. Prerequisites: Music 125 through 426. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

127-8. FRESHMAN ORGAN. Stainer, The Organ; Bach, Eight Little Preludes and Fugues; pedal scales; hymns; miscellaneous compositions from the nineteenth and twentieth centuries of not too advanced level of difficulty. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

227-8. SOPHOMORE ORGAN. Bach, preludes and fugues of approximately the E Minor (Cathedral) level of difficulty; sonatas of the level of difficulty of Mendelssohn's second Sonata; selected examples from the Bach Orgelbuchlein; miscellaneous nineteenth and twentieth century compositions of a lyrical nature and of a level of difficulty comparable with the above compositions. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

327-8. JUNIOR ORGAN. Bach, Chorale Preludes, Second Sonata, Preludes and Fugues in E minor and A minor, or works of comparable difficulty; more difficult Mendelssohn sonatas; Franck,

Piece Heroique; contemporary works by Milhaud, Bingham, Purvis, etc. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

427-8. SENIOR ORGAN. Bach, B Minor (Great) Prelude and Fugue, Fantasie and Fugue in G Minor, Third Sonata; Vierne, Symphony No. 1; Widor, Fifth Symphony; miscellaneous compositions of comparable difficulty. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

527-8. SENIOR ORGAN. A course of advanced organ instruction for students with exceptional musical background. Prerequisites: Music 127 through 428. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

131-2, 231-2, 331-2, 431-2, 531-2. STRING CLASS. The study of the string instruments through the medium of class work. Instruments for this instruction are supplied by the department. Meets twice weekly for two semesters. One hour's credit per semester.

133-4. FRESHMAN VIOLIN. Method of Maia Bang or another approved method. School of Violin Technique, Op. 1, Book I, by Sevcik. Daily Studies by Zajic-Czerwonky. Etudes by Wohlfahrt. Scales, Pieces, and arpeggios in grade. Kayser, Op. 20, Book I; Allard, Op. 10, No. 1. Dancla, Op. 126. Solos chosen to apply technique. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

233-4. SOPHOMORE VIOLIN. Kayser, Book II. Dancla, School of the Five Positions, Op. 122, Dont, Op. 27, A minor. Selected studies, concertos and solos to meet the need of the individual student. Kreutzer Etudes. Rode Etudes, Rode Concertos, Nos. 4, 7, 8. Viotte No. 23, 19, or 22. Compositions by Leonard DeBeriot, Czerwonky, Saenger, Severn and others. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

333-4. JUNIOR VIOLIN. School of Violin Technique, Op. 1, Book II, and School of Bowing by Sevcik. Double Stop Studies by Hogman. Studies by Kreutzer and Fiorillo. Concertos, Spohr 2, 6, 8, or 9. Wieniawski, No. 2. Vieuxtemps, Nos. 4 or 5. Schradieck, 25 Studies. Technical Studies by Sevcik. Etudes by Rode, Sebald, and Dont. Concertos by Vieuxtemps, Mozart and Max Bruch. Pieces by Wieniawski, Sarasate, Hubay, Czerwonky, Kreisler, and others. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

433-4. Senior Violin. Technique of Grade 6 continued. Concertos by Mendelssohn, Saint-Sæns and Symphonic Espagnole by Lalo. Paganini Caprices. Bach Sonatas for Violin alone. Concertos and concert pieces. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

533-4. Senior Violin. A course of advanced violin instruction for students with exceptional musical background. Prerequisites: Music 133 through 434. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

183-4. Freshman Viola. Major and minor scales and arpeggios; studies from Kreutzer, Sitt, etc. Elementary solos; concertos and pieces by Nardini, Sitt, Bach, Handel. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

283-4. Sophomore Viola. Major and minor scales and arpeggios; studies of Mazas, Hohmann, Fiorillo, Kreutzer, etc. Sonatas by Mendelssohn, Dittersdorf, Bach, and Italian masters. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

383-4. Junior Viola. Major and minor scales and arpeggios through three octaves; studies from Kreutzer, Sitt, Fiorillo, etc. Concertos and pieces by Sitt, Vieuxtemps and Handel; sonatas of Bach, Beethoven, Mozart and Italian masters. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

483-4. Senior Viola. Major and minor scales and arpeggios through three octaves; studies from Kreutzer (double stops), Fiorillo, etc. Advanced works by Bach, Beethoven, Mozart, Mendelssohn. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

583-4. Senior Viola. A course of advanced viola instruction for students with exceptional musical background. Prerequisites: Music 183 through 484. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

185-6. Freshman Violoncello. Major and minor scales; studies by Duport, Franchomme, etc. Sonatas by old Italian masters. Selected passages for violoncello from orchestral works. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

285-6. Sophomore Violoncello. Major and minor scales through four octaves; studies by Grutzmacher, Franchomme, Duport; arpeggios. Sonatas for 'cello alone by Bach; compositions from

concert repertory. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

385-6. Junior Violoncello. Scales in octaves, thirds and sixths; studies by Duport, Servais, etc. Concertos by Golterman, Saint-Saens, etc., sonatas by Mendelssohn, and modern composers. Concert pieces. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

485-6. Senior Violoncello. Scales in octaves, sixths, thirds, and tenths; studies by Franchomme, Piatti, Servais, etc. Chamber music. Sonatas and concertos. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

585-6. Senior Violoncello. A course of advanced violoncello instruction for students with exceptional musical background. Prerequisites: Music 185 through 486. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

187-8. Freshman Double Bass. Bow studies, intervals, positions, Simandl Method Book 1. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

287-8. Sophomore Double Bass. Simandl, Fundamental Method, Book 1; major and minor scales and broken chords. Selected passages for Double Bass from orchestral literature. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

387-8. Junior Double Bass. Simandl, Fundamental Method, Book 2; thumb position scales in three octaves. Transposition. Passages from orchestral literature, both symphonic and operatic, for Double Bass. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

487-8. Senior Double Bass. Simandl, Fundamental Method, Book 3: scales in four octaves; arpeggios; double stops. Solos by Abert, Gianicelli, Stein, Simandl, etc. Chamber music. Orchestral literature. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

587-8. Senior Double Bass. A course of advanced Double Bass instruction for students with exceptional musical background. Prerequisites: Music 187 through 488. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

159-60. Freshman Flute. Tone studies; scales and arpeggios in various forms; Reichert, Exercises Journaliers; Boehm Studies Soussman Etudes for Flute. Two private half-hour lessons weekly One, two, or three hours' credit per semester.

259-60. Sophomore Flute. Same as above; solos by Cere, Leeuwan Anderson. Two private half-hour lessons weekly for two semesters One, two, or three hours' credit per semester.

359-60. Junior Flute. Continuation of above; Lorenzo Studies Kuhlau, solos and duets; Orchestral Studies; ensemble. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

459-60. Senior Flute. Same as above; Anderson, School of Virtuosity; Bach Sonatas; Mozart Concert; Orchestral Studies. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

559-60 Senior Flute. A course of advanced flute instruction for students with exceptional musical background. Prerequisites: Music 159 through 460. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

161-2. Freshman Oboe. Brod-Gillet, Oboe Method; Andraud and Verroust, Studies; Scales and Arpeggios; Solos by Pierne, Widor and Limon. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

261-2. Sophomore Oboe. Brod, Lemotte and Luft studies: solos and sonatas by Mozart, Godard, Marcello and Verroust. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

361-2. Junior Oboe. Continuation of above; solos, sonatas and concertos by Sænt-Sæns, Telemann and Haydn. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

461-2. Senior Oboe. Same as above; Orchestral studies; ensemble literature. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

561-2. Senior Oboe. A course of advanced oboe instruction for students with exceptional musical background. Prerequisites: Music 161 through 462. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

163-4. Freshman Clarinet. Tone studies; scale studies in various forms; arpeggios; Klose Method. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

263-4. Sophomore Clarinet. Rose studies; Baerman studies; Concerti by Mozart and Weber. Two private half-hour lessons weekly. One, two,or three hours' credit per semester.

363-4. Junior Clarinet. Cavallini Caprices; Baerman studies; Transposition; Sonatas by Brahms, Milhaud, Tuthill and others. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

463-4. Senior Clarinet. Jean-Jean and Labanchi studies; orchestral studies; Debussy Rhapsody. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

563-4. Senior Clarinet. A course of advanced clarinet instruction for students with exceptional musical background. Prerequisites: Music 163 through 464. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

165-6. Freshman Bassoon. Tone development; Scales and arpeggios; Weisenborn Etudes. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

265-6. Sophomore Bassoon. Milde, concert studies and arpeggio studies; standard concert literature. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

365-6. Junior Bassoon. Clef drills; solo and sonata literature; Gumpert, Orchestral Studies. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

465-6. Senior Bassoon. Continuation of orchestral studies; advanced solo and sonata literature. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

565-6. Senior Bassoon. A course of advanced bassoon instruction for students with exceptional musical background. Prerequisites: Music 165 through 466. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

167-8. Freshman Trumpet and Cornet. Tone production; scales and arpeggios; Arban Method; solo literature of Ropartz, Simon, Clarke, Bellstedt. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

267-8. Sophomore Trumpet and Cornet. Same as above; studies by Arban; St. Jacome, Pietzch, Harris; solos by Bach, Clarke, Sænt-Sæns. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

367-8. Junior Trumpet and Cornet. Arban continued; transposition; Maxime-Alphonse Studies; solos by Bach, Dubois, Enesco orchestral studies. Two private half-hour lessons weekly. One, two or three hours' credit per semester.

467-8. Senior Trumpet and Cornet. Studies by Buonomi, Chavan vate half-hour lessons weekly for two semesters. Two, three, o nes; orchestral studies; solos by Desportes, Bozza, Ibert. Two pri four hours' credit per semester.

567-8. Senior Trumpet and Cornet. A course of advanced trumpe and cornet for students with exceptional musical background Prerequisites: Music 167 through 468. Two private half-hou lessons weekly for two semesters. Two, three, or four hours' credi per semester.

169-70. Freshman Horn. Major and minor scales; Tone production exercises by Kopprasch. Two private half-hour lessons weekly One, two, or three hours' credit per semester.

269-70. Sophomore Horn. Studies by Franz, Kling and Kopprasch transposition; Sonati by Beethoven, Haydn; concerti by Mozar and others. Two private half-hour lessons weekly. One, two, o three hours' credit per semester.

369-70. Junior Horn. Continuation of above; prominent solos from symphony and opera; Strauss concerti; Sonati by Donato, Porter and others. Two private half-hour lessons weekly. One, two or three hours' credit per semester.

469-70. Senior Horn. Hindemith sonata and concerto; transposition in all keys; chamber music; orchestral studies. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

569-70 Senior Horn. A course of advanced horn for students with exceptional musical background. Prerequisites: Music 169 through 470. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

171-2. Freshman Trombone and Euphonium (Baritone). Mantia and Bordoghi-Rochut studies; scales and arpeggios; solos by Pryor, Zimmerman and Simons. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

271-2. Sophomore Trombone and Euphonium (Baritone). More of the above; Blume Duets; solos by Barat, Croce-Spinelli, David. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

171-2. Junior Trombone and Euphonium (Baritone). Kopprasch studies; orchestral studies, solos by Busser, Pfieffer, Bigot, Rosseau, Dubois. Two private half-hour lessons weekly. One, two, or three hours' credit per semester.

271-2. Senior Trombone and Euphonium (Baritone). Same as above; Lafosse and Blazewitch studies; difficult passages, symphonic and operatic; transcriptions of Haydn, Mozart and Beethoven; solos by Salzedo, Videl, Leclercq. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

371-2. Senior Trombone and Euphonium (Baritone). A course of advanced trombone and euphonium for students with exceptional musical background. Prerequisites: Music 171 through 472. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

177-8. Freshman Tuba. Intensive study of fundamentals of technique. Arban studies. Selected studies of Schlossberg and Blasevich. All major and minor scales and arpeggi. One, two or three hours' credit.

277-8. Sophomore Tuba. Continuation of first year. Studies by Bordogni-Rochut. Elementary clef studies. One, two or three hours' credit.

377-8. Junior Tuba. More advanced studies by Arban, Schlossberg, Blasevich, Bordogni. More difficult clef studies of LaFosse. One, two, or three hours' credit.

477-8. Senior Tuba. Continuation of Junior year. Horn concertos of Mozart, Strauss, and Beethoven. Orchestral studies from the works of Tchaikovski, Strauss, Wagner, Stravinski, etc. Survey of pedagogical works and literature for tuba. Two, three or four hours' credit.

577-8. Senior Tuba. A course of advanced tuba for students with exceptional musical background. Prerequisites: Music 177 through 478. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

175-6, 275-6, 375-6, 475-6. Percussion. Basic and advanced techniques on various percussion instruments through each of the four years. Tuning exercises for timpani. All types of drumming; study on castanets, tambourine, triangle, various traps, xylophone. Such methods as Imperial, Wilcoxson, Goodman, Goldberg. Solo work

taken from Mendelssohn, Saint Saens, MacDowell, Strauss Despartes, and others. One to four hours' credit per semester in accordance with credit in other applied music.

103-4. Freshman Saxophone. Tone studies; scale studies in various forms; arpeggios; Iasilli and Pettine Methods. Two private half hour lessons weekly. One, two, or three hours' credit per semester.

203-4. Sophomore Saxophone. Mule and Bozza studies; concert by Jascha; sonatas by Creston and Tuthill. Two private half hour lessons weekly. One, two, or three hours' credit per semester.

303-4. Junior Saxophone. Advanced studies by Wiedoeft. Concert by Ibert, Tomasi, Bozza and others. Two half-hour lessons weekly. One, two, or three hours' credit per semester.

403-4. Senior Saxophone. Advanced studies by Rollinson. Solos by Bozza, Jacob, Henri, and others. Two private half-hour lessons weekly. Two, three, or four hours' credit per semester.

503-4. Senior Saxophone. A course of advanced saxophone instruction for students with exceptional musical background. Prerequisites: Music 103 through 404 or permission of instructor. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

575-6. Senior Percussion. A course of advanced percussion for students with exceptional musical background. Prerequisites: 175 through 476. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

141-2, 241-2, 341-2, 441-2, 541-2. Class Voice. Theory and practice of vocal tone production in small groups. Individual attention and solo training. Two half-hour lessons weekly for two semesters. One hour's credit per semester.

143-4. Freshman Voice. Principles of breathing. Enunciation. Solfege exercises and vocalises consistent with the needs of individual student. Repertoire of old English and old Italian. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

243-4. Sophomore Voice. Vocalises continued. Studies in diatonic and chromatic scales, the trill and other embellishments. Italian songs and selected songs by Handel, Mozart, Schubert, Schumann, and others of the classic and romantic periods. Two private

half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

343-4. Junior Voice. Studies for flexibility, style and expression. Recitative, lyric and dramatic arias from the operas and oratorios of Handel, Haydn, Mozart; Lieder; songs by 19th century composers; and songs by modern composers. Recital. Two private half-hour lessons weekly for two semesters. One, two, or three hours' credit per semester.

443-4. Senior Voice. Classic romantic and modern song literature. Oratorio, opera. Recital. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

543-4. Senior Voice. A course of advanced voice instruction for students with exceptional musical background. Prerequisites: Music 143 through 444. Two private half-hour lessons weekly for two semesters. Two, three, or four hours' credit per semester.

Ensembles

181-2, 281-2, 381-2, 481-2. Piano Ensembles. Small piano groups organized for instruction in playing music for more than one piano as well as for playing piano duets and trios. Meets twice weekly for two semesters. One hour's credit per semester.

145-6, 245-6, 345-6, 445-6. Union University Chorus. Any student may be admitted to the chorus after consultation with the director. At least two formal public performances are presented during the school year. Opportunity is provided for the study of both sacred and secular choral music. Meets twice weekly for two semesters. One hour's credit per semester.

145-6, 245-6, 345-6, 445-6. Union University Singers. Admission by audition only. Prerequisite: one year of apprenticeship in the college chorus or consent of instructor. This chorus prepares for the annual spring tour and covers more music literature during the year than does the University chorus. Meets twice weekly for two semesters. One hour's credit per semester.

147-8, 247-8, 347-8, 447-8. Vocal Ensembles. Various small choral ensembles such as women's trios and double trios, male quartets, etc., are organized both for the sake of pure enjoyment of participation and for public performances upon many and varied occasions. Meets once each week for two semesters. One hour's credit per semester.

100-1, 200-1, 300-1, 400-1. Stage Band. Admission by audition onl Various phases or organization, techniques, literature, interpreta tion, etc., involved in professional demands on modern jazz artis Performances include various campus activities, high school assem blies. Meets once weekly for two hour rehearsal. One hour's credi

151-2, 251-2, 351-2, 451-2. Symphonic Band. A course in band in struction designed to train students for performance. Variou phases of organization, techniques, literature, interpretation, etc involved in professional demands are treated extensively. Perform ances will include various campus concerts, some athletic event and a tour of the area. Membership is determined from audition held during the week of registration. One hour's credit.

173-4, 273-4, 373-4, 473-4. Junior Band. A course in elementary ban instruction open to freshmen, sophomores, and music educatio majors. Instruments of the student's choice may be rented at th local music stores. At the end of one year of instruction thos students showing promise and talent may be selected to participat in the Symphonic Band. Two rehearsals per week. One hour credit per semester.

153-4, 253-4, 353-4, 453-4. Union University Brass Choir. Pe formance of literature for various combinations of brass instru ments, i. e., Trios, quartets, quintets, sextets, etc. Meets once eac week. One hour's credit per semester.

155-6, 255-6, 355-6, 455-6. Woodwind Ensemble. Performance o literature for various combinations of woodwind instrument Meets once each week. One hour's credit per semester.

191-2, 291-2, 391-2, 491-2, 591-2. String Ensemble. Performance o literature for various combinations of string instruments, i.e., trios quartets, quintets, sextets, etc. Meets once each week. One hour' credit per semester.

ART

The Art Department provides an opportunity for students to develop their powers of perception, appreciation, knowledge, and discrimination of art, both past and present; to develop art skills and to provide opportunity for creative expression and effective use of leisure time; to provide opportunity to develop skills, methods, and techniques of teaching art in the school, church, or recreational program.

Major in Art — 26 hours

A. Twelve hours must be at junior or senior level.

B. Must select either Art 313 or Art 314.

Minor in Art — 18 hours

Six hours must be at junior or senior level.

The Department of Art reserves the right to select and retain samples of the best art work done in studio courses. Work will be selected whenever it is deemed to be of such quality as to be useful for future teaching or departmental records.

Art History and Appreciation

111. Art Appreciation-Orientation. An interpretation of the visual and space arts for the development of effective criteria for judgment and the enjoyment of art expression. Two hours' credit.

313-4. Art Appreciation-Survey. Constitutes a survey of painting, sculpture, architecture; and the minor arts as represented by significant examples of art from prehistoric to modern times. Two hours' credit per semester.

Drawing, Painting, and Design

114. Lettering. Development of sufficient skill to letter quickly and effectively show cards, announcements, and posters. Two one-hour laboratory periods per week. One hour's credit.

115. Beginning Art (Laboratory). A basic course in art designed to meet the student's individual needs and interests and to provide opportunity to experiment with different media. Two laboratory periods per week. Two hours' credit. Prerequisite: 111.

116. First Year Drawing. Drawing with various media to gain facility in objective representation. Two laboratory periods per week. Two hours' credit.

311-2. Drawing, Painting and Composition. A course in stu painting practice. 311, still-life drawing and painting in charc and oil; 312, outdoor sketching and painting in watercolor a oil. Three laboratory periods per week. Prerequisite: 111 and 1 or with consent of instructor. Three hours' credit per semester.

316. Advanced Design. An advanced course in the fundamentals good design with emphasis on design problems in Commercial A Three hours' credit. Prerequisite: Art 115.

411-2. Advanced Painting. Designed to meet individual needs a interests in painting. Experimental techniques and media. Pr requisite: Art 311-2 or consent of the instructor. Three laborato periods per week. Three hours' credit per semester.

413. Advanced Art Studio. An advanced studio course in art in whi the student can concentrate in any of the major areas of the d partment such as painting, sculpture, ceramics, or crafts. Designe for persons wanting more than the amount of the above cours offered in the catalog. Prerequisite: Art 311-2 or consent of t instructor. Three laboratory periods per week. Three hou credit per semester.

Crafts, Sculpture and Ceramics

213. Crafts. Fundamental craft techniques in various medium emphasizing good design and proper use of material. Two la oratory periods per week. Two hours' credit.

214. Ceramics. Creative expression in the ceramic arts and the deve opment of form in the plastic medium of clay. Three laborato periods a week. Three hours' credit.

315. Sculpture. Carving and construction in various materials. Tw laboratory periods a week. Two hours' credit.

Art Education (See also additional courses listed Education)

215. Art in the Elementary Schools. A laboratory cours designed for elementary teachers in the development of art skill for the elementary school. Two two-hour laboratory periods pe week. Two hours' credit.

416. Arts and Crafts for Teachers. A materials and method course in the teaching of arts and crafts in elementary an secondary school. Two hours' credit.

SPEECH AND DRAMATIC ART

NSTRUCTION in Speech and Dramatic Art purposes to develop student otential in the oral communication of thought; to provide an opportunity r the appreciative evaluation and oral interpretation of literature; to istruct in the techniques and methods of teaching voice and diction, ublic speaking, discussion and play production; to help the student ttain a degree of excellence in performance for platform, radio, television nd other professional careers.

I. Minor in Speech and Dramatic Art—18 hours

A. Six hours on junior or senior level

113. APPRECIATION OF THEATER ARTS. An introductory study of the techniques of dramatic art, designed to make playgoing more meaningful and better appreciated. Two hours' credit.

213. PUBLIC SPEAKING. Study and practice in effective oral communication. Required of all students for graduation. Three hours' credit.

214. ORAL INTERPRETATION. Oral practice in analysis of various types of literature so that they may be presented informatively and interestingly. Three hours' credit.

215. PLAY PRODUCTION. A survey course in the fundamentals of successful stage production: problems in organization; in play choice and casting; in rehearsing, acting, and directing; in scenery, costuming, make-up, and lighting. Three hours' credit.

216. DEBATE. Analyses, briefing evidence, reasoning and refutation with special emphasis given to the national Intercollegiate Discussion and Debate propositions. Preparation for entry in intercollegiate debate tournaments. Two 2 hour periods per week. Two hours' credit.

313. PLAY PRODUCTION. A more advanced course for those who have had Speech 215, with emphasis on the techniques of acting and stage craft. Three hours' credit.

314. VOICE AND DICTION. Study and development of the voice. Educative exercises in articulation and pronunciation. Drill in phonetics. Particularly helpful for students planning professional careers. Three hours' credit.

413. PUBLIC DISCUSSION AND ARGUMENTATION. Gathering, organizing, and presenting argumentative material effectively. Each student required to participate publicly on the platform or by radio. Designed particularly for students preparing for professional careers. Prerequisite: Speech 213. Three hours' credit.

DIVISION OF HUMANITIES

PURPOSE OF HUMANITIES

In the humanities, students learn to prefer one thing to another, ar to acquire a set of ideas and principles which they believe and on whi they can act. To this end, courses in the division are organized to broad the individualistic, imaginative, sympathetic, aesthetic, and moralis qualities in man. More specifically, courses in the division are geared develop competence in language, appreciation in literature, and beli in, and dedication to, the Christian ethic.

English
Languages

Philosophy
Religion

DEPARTMENT OF ENGLISH

NSTRUCTION in the English department consists of helping students evelop skills in writing and speaking effectively, and in reading and valuating literature appreciatively. A wide range of courses appealing to ıe esthetic as well as to the practical nature of man is offered regularly, :rving the dual purpose of qualifying prospective teachers of English nd stimulating all students to search more diligently for the riches in ıe spoken and written word.

Students are required to complete the core curriculum requirements ı literature before enrolling in an upper-level course in literature.

Students majoring or minoring in English must meet the following equirements:

I. Major in English—30 hours
   - A. English 111-2—English Composition
   - B. English 211-2—Sophomore literature surveys
   - C. English 411-2—Shakespeare
   - D. English 321—Advanced Grammar
   - E. Additional courses on the junior or senior levels

II. Minor in English—24 hours
   - A. English 111-2—English Composition
   - B. English 211-2—Sophomore literature surveys
   - C. Additional courses on the junior or senior levels

ENGLISH

*111-2. ENGLISH COMPOSITION. Review of fundamentals of grammar; practice in basic forms of composition; selected readings from various types of literature. Prerequisite to all other courses in English. Three hours' credit per semester.

211. SURVEY OF AMERICAN LITERATURE. Introduction to principal authors and most significant prose and poetry produced in America from seventeenth century to the present. Three hours' credit.

212. MASTERPIECES OF ENGLISH LITERATURE. Selected readings from English prose and poetry. Three hours' credit.

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*Sections of English 111 are offered on the basis of five periods a week to include an intensive study in grammar, punctuation, and spelling. Freshmen whose scores on the English proficiency test fall below the standard set by the English Department will be required to take one of these sections.

213-4. News Writing and Reporting. Practice in news gathering ar news writing for the college publications. Does not count c English major, but is of inestimable value to the prospective hig school English teacher. Two hours' credit per semester.

216. Children's Literature. A survey course designed to familiariz the student with children's books from early times to the presen Emphasis is placed upon the Newbery and Caldecott awar books. Does not count towards the English major. Two hour credit.

313. American Literature of Nineteenth Century. Extensiv reading from the works of Poe, Hawthorne, Melville, Emerson an Whitman. Three hours' credit.

314. Major Romantic Poets. Intensive reading in the poetry of th major Romantic poets: Wordsworth, Coleridge, Byron, Shelley and Keats. Three hours' credit.

315. English Literature of Eighteenth Century. Selected read ings from the principal authors; a critical examination of th intellectual history of the age. Three hours' credit.

316. The Novel in English. Study of the novel as a literary form Three hours' credit.

317. European Literature in Translation. Selected readings (ir translations) from literary masterpieces of great European writer from Homer to the present. Three hours' credit.

318. Advanced Composition. Techniques of writing effective expos itory, argumentative, descriptive, and narrative prose. Two hours' credit.

319. Victorian Poetry. Intensive reading in the poetry of the major Victorian poets. Three hours' credit.

320. Short Story. Reading, analysis, and intensive study of the short story as a literary form. Each student required to do original composition. Two hours' credit.

321. Advanced Grammar. A course in English grammatical forms, including history and philosophy of their uses. Two hours' credit.

411-2. Shakespeare. Readings from the comedies, histories, and tragedies. Required of all majors in English. Three hours' credit per semester.

413. Contemporary Drama. Readings from Continental, British, and American drama from Ibsen to the present. Three hours' credit.

414. Studies in Seventeenth Century English Literature. Major emphasis will be placed on the poetry of Donne, Milton, and the Cavalier poets. Readings from the prose and drama of the period will be included. Three hours' credit.

415. Feature Writing. Practical experience in mastering the craft of writing the special feature. Each student will be encouraged to prepare an article for publication. Two hours' credit.

416. Contemporary Poetry. A study of Twentieth Century British and American poetry. Three hours' credit.

417. Literary Criticism. A study of major critical texts from Aristotle to T. S. Eliot. Open to senior English majors only; taught as a seminar, meeting once each week for two hours. Three hours' credit.

DEPARTMENT OF LANGUAGES

THE PURPOSE of the Department of Languages in the liberal arts pr gram is to instruct the student through oral-aural-visual techniques a methods to read, understand, speak and write with proficiency at le one foreign language; first, to aid in developing understanding throu inter-communication; second, to serve as a basis for studying the histor literature and life of another country; third, to help the student atta a certain fluency in foreign language in preparation for doing researc in graduate and professional schools.

Language requirements for graduation with the A.B. Degree: fou teen semester hours or two years of high school language and six seme ter hours of second year college credit in the same language. Studen entering with two units of high school language will take a comprehensiv examination to demonstrate their ability to do second year work.

Majors and minors are offered in French and Spanish.

I. Students majoring in language must meet the following require ments:
   1. Major in chosen language—24 to 26 hours*
   2. Ten semester hours must be on junior or senior level.

II. Students minoring in language must meet the followin requirements:
   1. Minor in chosen language—18-20 hours*
   2. Six semester hours must be on junior or senior level.

If a student takes a major in one language, it is suggested that he tak a minor in a second language.

FRENCH

111-2. ELEMENTARY FRENCH. Fundamentals of pronunciation, con versation, grammar and composition. Four hours' credit pe semester.

211. INTERMEDIATE FRENCH. Grammar review. Reading of suitable texts, conversation and composition. Prerequisite: French 111-2 or two years of high school French and proficiency test. Three hours' credit.

212. ADVANCED FRENCH. Rapid reading of representative French texts. Prerequisite: French 211. Three hours' credit.

*Twenty-four hours for major and eighteen for minor if the student begins at the 211 level or above.

311. Survey of French Literature. Chanson de Roland through the 17th century. Lectures, readings and reports. Prerequisite: French 212. Three hours' credit.

312. Survey of French Literature. A continuation of French 311. The beginning of the 18th century to the present. Lectures, readings and reports. Prerequisite: French 212. Three hours' credit.

313. Conversation and Composition. Practice in oral and written expression. Prerequisite: French 212. Three hours' credit.

413. French Classical Drama. A study of the life and dramatic art of Corneille, Racine, and Moliere. Lectures and reports. Three hours' credit.

414. French Romantic Literature. A study of the romantic movement in French literature, with special emphasis on poetry and the drama. Three hours' credit.

415. Modern French Novel. A study of the life and works of representative French novelists of the modern period. Three hours' credit.

GERMAN

111. Elementary German. A study of pronunciation and grammatical forms. Simple reading. Four hours' credit.

112. Elementary German. A continuation of German 111. Grammar and reading of easy prose. Four hours' credit.

211. Intermediate German. A review of grammar. Composition and reading of suitable texts. Prerequisite: German 111-2 or two years of high school German and proficiency test. Three hours' credit.

212. Advanced German. Rapid reading of representative texts. Lectures and reports. Prerequisite: German 211. Three hours' credit.

GREEK

211. Elementary Greek. A study of the basic forms, syntax, vocabulary and pronunciation of the Greek New Testament. Prerequisite: Sophomore standing. Four hours' credit.

212. Elementary Greek. Continuation of Greek 211. Reading in Mark and I John. Prerequisite: Greek 211. Four hours' credit.

311. Intermediate Greek. A study of the grammar and syntax of the Greek New Testament. Reading in the New Testament. Prerequisite: Greek 212. Three hours' credit.

312. Intermediate Greek. Continuation of Greek 311. Prerequisite Greek 311. Three hours' credit.

411. Advanced Greek. An extensive reading course in the Greek New Testament with emphasis upon careful, accurate exegesis. Prerequisite: Greek 312. Two hours' credit.

412. Advanced Greek. A continuation of Greek 411. Prerequisite Greek 411. Two hours' credit.

LATIN

111-2. Elementary Latin. Pronunciation, grammar, simple readings. Four hours' credit per semester.

211-2. Intermediate Latin. Review of grammar. Readings from Roman and medieval authors. Studies in Roman mythology, history, civilization. Prerequisite: Latin 111-2 or two years of high school Latin and proficiency test. Three hours' credit per semester.

SPANISH

111-2. Elementary Spanish. Fundamentals of pronunciation, conversation, grammar, and composition. Simple reading. Four hours credit per semester.

211. Intermediate Spanish. Grammar review. Reading of suitable texts, conversation and composition. Prerequisite: Spanish 111-2 or two years of high school Spanish and proficiency test. Three hours' credit.

212. Advanced Spanish. Rapid reading of representative Spanish texts. Prerequisite: Spanish 211. Three hours' credit.

311. Survey of Spanish Literature. Poema de Mio Cid through the 17th century. Lectures, readings and reports. Prerequisite: Spanish 212. Three hours' credit.

312. Survey of Spanish Literature. A continuation of Spanish 311. From the beginning of the 18th century to the present. Lectures, readings, and reports. Prerequisite: Spanish 212. Three hours' credit.

313. Conversation and Composition. Practice in oral and written expression. Prerequisite: Spanish 212. Three hours' credit.

413. The Modern Spanish Novel. A study of the life and works of representative Spanish novelists of the modern period. Three hours' credit.

14. The Modern Spanish Drama. A study of the life and works of representative Spanish dramatists of the modern period. Three hours' credit.
15. Survey of Spanish-American Literature. The reading of representative authors with emphasis on the novel. Three hours' credit.
16. The Drama of the Golden Age. A study of the life and works of Lope de Vega, Alarcon, Tirso de Molina and Calderon. Three hours' credit.
17. Don Quijote De La Mancha. A study of the life and works of Cervantes. Reading of Don Quijote de la Mancha. Three hours credit.

DEPARTMENT OF RELIGION AND PHILOSOPHY

The courses of the Department of Religion and Philosophy are designed for a twofold purpose: To give the student an understanding of the basic principles of the Bible as they appear in their historical setting; and to acquaint the student with the merits, values, and distinctive contributions of the Christian religion to the religious experience of mankind.

The work of the department is planned to contribute to the cultural and spiritual benefit of the entire student body. Specialized training is also provided for the following:

1. The ministerial or missionary student who will seek further preparation in a theological seminary. Likewise, equal provision is made for the student whose formal preparation will terminate with graduation.

2. The religious education director, minister of music, or church secretary who desires specialized religious training on the college level.

Students majoring in Religion must meet the following requirements:

I. Major in Religion—27 hours
   - A. 24 hours of Religion
     1. Religion 111, 112, 214
     2. Religion 216, 217
     3. Three hours to be selected from Religion 314, 413
     4. Three hours to be selected from Religion 315, 317
     5. Elective Religion 4 hours—not more than three of which may be taken from Religion 320, 321, 416
   - B. Philosophy 311

II. Minor in Religion—21 hours
   - A. 18 hours in Religion
     1. Religion 111, 112
     2. Religion 216, 217
     3. Three hours to be selected from Religion 314, 413
     4. Three hours to be selected from Religion 315, 317
   - B. Philosophy 311

III. Minor in Philosophy—18 hours

RELIGION

111. Old Testament Survey. A survey of the history of the Hebrews from Adam through the reign of David. Three hours' credit.

112. Old Testament Survey. A survey of the history of the Hebrews from Solomon through Malachi. Prerequisite: Religion 111. Three hours' credit.

213. Poetical Books. An intensive study of the poetic and wisdom

literature of the Old Testament. Prerequisites: Religion 111-2. Two hours' credit.

314. The Intertestament Period. A survey of the Greek, Roman and Jewish cultures of the intertestament period. Two hours' credit.

315. Evangelism. A study of the history, principles and methods of evangelism. Prerequisites: Religion 111, 216. Two hours' credit.

316. The Life of Christ. The life of Christ as recorded in the Synoptic Gospels. Three hours' credit.

317. Acts. The Christian movement as recorded in Acts together with a study of selected Pauline Epistles. (Galatians, I and II, Thessalonians, and Philippians). Prerequisite: Religion 216. Three hours' credit.

318. Homiletics and Ministerial Practices. A study of the basic techniques of sermon preparation and delivery with a section on Ecclesiology and Ethics. Required of all ministerial students during the first year of attendance at Union. Three hours' credit.

314. Minor Prophets. An intensive study of the minor prophets. Prerequisite: Religion 112. Three hours' credit.

315. Pauline Epistles. A survey of the Pauline Epistles. Prerequisite: Religion 217. Three hours' credit.

316. Renaissance and Reformation. See History 318 for description.

317. Hebrews, General Epistles, Revelation. A survey of Hebrews, General Epistles and Revelation. Prerequisite: Religion 217. Three hours' credit.

318. Christian Doctrine. An analysis and interpretation of Christian doctrine. Prerequisite: Any one of the following courses: 314, 315, 317, 413. Two hours' credit.

319. Comparative Religion. See Philosophy 319 for course description.

320. Introduction to Religious Education. A study of the origin, scope and importance of religious education. (Introductory attention will be given to the nature of the New Testament church.) Prerequisite: six hours of Religion. Three hours' credit.

321. Religious Education in the Church. An intensive study of the origin, purposes, officers and curriculum of the organizations of the local church. Prerequisite: six hours of Religion. Three hours' credit.

323. (311) Church History. A historical survey of Christianity fro the apostolic era until the Protestant Reformation. Prerequisit Religion 217. Two hours' credit.

324. (312) Church History. A historical survey of Christianity fro the Protestant Reformation through the First Great Awakeni in America. Prerequisite: Religion 323. Two hours' credit.

413. Major Prophets. An intensive study of the major prophe Prerequisite: Religion 112. Three hours' credit.

414. The Johannine Literature. An intensive study of the Gosp of John and the Johnannine Epistles. Prerequisite: Religion 31 or 317. Three hours' credit.

416. Psychology of Religion. A careful study of the factors in th religious experience. Prerequisite: Six hours of Religion. Thre hours' credit.

PHILOSOPHY

311. Introduction to Philosophy. A survey of the branches philosophy and its history from Thales through Philo. Prerequisite Consent of instructor. Three hours' credit.

312. History of Philosophy. A survey of the history of philosoph from Philo until the modern period. Prerequisite: Philosophy 31 Three hours' credit.

313. Ethics. An analysis of the principles of ethics. Prerequisite consent of Instructor. Two hours' credit.

319. Comparative Religion. A survey of the world's major religions Prerequisite: Religion 217. Two hours' credit.

411. Modern Philosophy. A survey of modern philosophical though from the Enlightment to Contemporary Philosophy. Prerequisite Philosophy 312. Three hours' credit.

412. Philosophy of Religion. A study of the philosophical attemp to understand the nature of God and the significance of religio in the life of man. An investigation as to the validity of the clai to a type of knowledge called "religious" and the methods whereb such is gained. Prerequisite: Philosophy 312. Three hours' credit

413. Logic. A study of inductive and deductive methods of reasoning Prerequisite: Philosophy 311. Two hours' credit.

DIVISION OF NATURAL SCIENCES

The broad objective of the Division of Natural Sciences is to lead the student into a search for universal truths related to the world in which we live, and to assist him in arriving at a correct view of other scientific knowledge.

This Division is composed of the Departments of Biology, Chemistry, Mathematics and Physics, for the purpose of coordination of effort to the end that the above objective may be obtained.

Specifically, courses are designed to meet the needs of students under the following classifications:

(a) those wishing a broad foundation in the basic sciences and a general knowledge of the applied sciences;

(b) those in Pre-professional study in Dentistry, Engineering, Medicine and Pharmacy;

(c) those preparing for the teaching profession in secondary schools;

(d) those interested in further scientific pursuits in graduate schools; and

(e) those planning to enter the industrial field upon completion of undergraduate study.

BIOLOGY
CHEMISTRY
MATHEMATICS
PHYSICS

DEPARTMENT OF BIOLOGY

Courses of the Department of Biology are designed to increase t student's appreciation of his environment, to contribute to his cultu background, to meet the needs of students preparing to enter gradua school or to meet entrance requirements for dental, medical, and pha macy schools. Not all courses are offered in any one year. Certa advanced courses alternate to meet demands.

Students majoring or minoring in biology must meet the followi requirements:

I. Major in biology—28 hours
   A. Twelve hours must be junior or senior level
   B. The student may choose between botany and zoology for th greater portion of his work
   C. Biology 111-2, or equivalent, are prerequisites to all oth biology courses

II. Minor in biology—19 hours
   A. Eight hours must be junior or senior level courses. Th student will consult the head of the department regardin advanced courses

Majors who plan to do graduate work in the biological sciences shoul take the following additional courses:

1. One year of physics
2. One year of general chemistry
3. One year of organic chemistry

Majors who plan to do graduate work in the field of botany shoul take the following courses:

1. Advanced Botany 2. Invertebrate Zoology 3. Plant Physiolog
4. General Bacteriology 5. Genetics 6. Plant Taxonomy
7. Ecology

Majors who plan to do graduate study in Zoology should include i their major courses the following:

1. Invertebrate Zoology 2. Vertebrate Zoology 3. Entomolog
4. Embryology 5. Genetics 6. Comparative Anatomy

Majors who plan to teach biology in high school should include in their major courses the following:

1. General Bacteriology 2. Invertebrate Zoology 3. Advanced Botany

4. Entomology 5. Genetics 6. Plant Taxonomy

7. Human Anatomy and Physiology

111. General Biology. A study of the structure and functions of living organisms, the laws governing protoplasm, including a consideration of the vegetative and reproductive structures of plants, with emphasis on the physiological and ecological aspects of the subject. Two lectures and two laboratory periods. Four hours' credit.

112. General Biology. A beginning course in animal biology with a survey of the animal kingdom. Emphasis is laid on the systems of organs and tissues, and on the physiological and economic phases of the subject. Two lectures and two laboratory periods. Four hours' credit.

211. Invertebrate Zoology. A study of representative invertebrates with emphasis on anatomy and classification. Specimens will be collected and studied in the field. Two lectures and two laboratory periods per week. Prerequisite: A year of biology or equivalent. Four hours' credit.

212. Vertebrate Zoology. Study of representative vertebrates of the five classes. Specimens of the lower forms will be collected and studied in the field. Two lectures and two laboratory periods per week. Prerequisite: A year of biology or equivalent. Four hours' credit.

213. General Bacteriology. An introduction to the principles underlying the subject. Laboratory technique is emphasized and careful study is given to representatives of larger groups of bacteria. Two lectures and two laboratory periods per week. Prerequisite: A year of biology or equivalent. Four hours' credit.

214. Advanced Botany. A comparative study of representatives of the thallophyta, bryophyta, and tracheophyta. Two lectures and two laboratory periods per week. Prerequisite: A year of biology or equivalent. Four hours' credit.

215. Entomology. A study of the use of keys, classifications, life h tories, habits, and economic importance of insects. Two lectur and two laboratory periods or field trips per week. Prerequisit A year of biology or equivalent. Four hours' credit.

311. Human Anatomy and Physiology. A study of the anator and physiology of the systems of the human body, including t skeletal, muscular, nervous and circulatory systems. Two lectu and one laboratory period per week. Prerequisite: A year biology or equivalent. Three hours' credit.

312. Human Anatomy and Physiology. A continuation of Biolo 311. A study of excretory, respiratory and digestive systems, speci senses, reproductive and endocrine systems. Two lectures and o laboratory period per week. Prerequisite: A year of biology equivalent. Three hours' credit.

313. Advanced Bacteriology. Advanced principles and laborato techniques are studied. Practical applications of the subject the study of foods, water, sewage, soil, and manufacturing pr cesses involving bacteriology are to be emphasized. Two lectur and two laboratory periods per week. Prerequisite: Gener Bacteriology. Four hours' credit.

314. Vertebrate Embryology. A study of the general principles the embryology of vertebrates, including germ cells, maturatio fertilization, cleavage, germ layers, and formation of organs. Em bryos of typical vertebrates are used. Two lectures and two labo atory periods per week. Prerequisite: Twelve hours of biology c equivalent. Four hours' credit.

315. Genetics. A study of the more important laws of heredity an their application to animals and plants. Two lectures and tw laboratory periods per week. Prerequisite: Twelve hours of biolog on the freshman-sophomore level. Three hours' credit.

316. Plant Physiology and Biology. An introductory course deal ing with functions and growth of plants. Two lectures and on laboratory period per week. Prerequisite: Twelve hours of biolog or equivalent. Prerequisite or corequisite: Chemistry 111-2. Thre hours' credit.

317. Plant Taxonomy. A laboratory and field course consisting o collecting, preserving and identifying native flora. Use of botan ical keys is stressed, and principles of classification are strongly emphasized. One lecture and one to three laboratory periods and and field trips per week. Prerequisite: Twelve hours of biology or equivalent. Two to three hours' credit.

413. Comparative Anatomy. Comparative study of the organ systems and structures of representative chordates. Prerequisite: Sixteen hours of biology or equivalent. Four hours' credit.

414. Ecology. A study of the interactions between organisms and their environment. Consideration is given both to the environment of the individual and to the development of plant-animal communities. Two lectures and two laboratory periods per week. Prerequisite: Two years of biology or equivalent. Three hours' credit.

415. Special Problems. Designed to meet the needs of majors in the department. Collection, preparation, and completed study of specimens of plants, animals, etc. Prerequisite: Eighteen hours of biology. Two hours' credit.

417. Animal Histology. A microscopic study of tissues and organs of the animal body. The preparation of temporary and permanent slides is emphasized. One lecture and one to three laboratory periods per week. Prerequisite: Fourteen hours of zoological courses. Two to four hours' credit.

418. Biology Seminar. A course designed to acquaint the student with current literature. The reading of biological journals, use of Biological Abstracts and other research tools will be emphasized. Each class period will be devoted to one or more oral or written presentations by students of materials previously selected as their chosen topics. The general topics for the semester will vary according to interests and ability of students. Prerequisite: Senior standing and 20 hours in Biology. One hour credit. (Required of all senior Biology majors.)

DEPARTMENT OF CHEMISTRY

The age in which we live is truly the age of science. No one can escap for long the impact of scientific discovery upon the world today. This particularly true of the science of chemistry which deals with the structu of matter and its many transformations. Broadly speaking, this depar ment aims to help the student to understand the material world aroun him and how it affects the ever changing processes of life, attain skill i scientific methods of problem solving, achieve laboratory skills for wor in chemistry, and develop an inquiring mind and a proper attitude towar scientific exploration. More specifically this department offers courses t meet the needs of three types of students:

1. Those who are non-science majors but desire the subject for it cultural and educational values and for meeting graduatio requirements.
2. Those who plan to teach science.
3. Those who wish to prepare for medicine, agriculture, engineer ing, or any other type of scientific work.

Students who look forward to careers as research chemists, industria chemists, or college chemistry teachers are advised to include Mathematic 211-2-Calculus, Physics 211-2-General Physics, and Chemistry 411-2 Physical Chemistry in their courses of study.

Students majoring or minoring in chemistry must meet the following requirements:

I. Major in chemistry
   1. 30 hours
   2. Chemistry 111-2, 211-2, 311-2, 411-2

II. Minor in chemistry
   1. Chemistry 111-2, 211-2 and 311-2; or
   2. Chemistry 111-2, 211-2, and 411-2; or
   3. Chemistry 111-2, 311-2 and 313

111-2. General Inorganic Chemistry. A study of the fundamental principles, theories, laws, and basic facts of chemistry. The preparation and properties of the more common elements and their compounds in relation to the periodic table and atomic structure. Emphasis is laid on the metals and their ions in relation to the scheme of qualitative analysis. Problem solving, principles of equil-

ibrium and equations are stressed. The last twelve weeks of laboratory is devoted to qualitative analysis. Three lectures and three hours laboratory per week. Four hours' credit per semester.

211-2. Quantitative Inorganic Analysis. Fundamental laboratory procedures, calibration of apparatus, selected experiments in gravimetric and volumetric analysis; basic theory in stoichiometry. Emphasis is placed on special gravimetric and volumetric methods, theory, and potentiometric calculations. One lecture and two three-hour laboratory periods per week. Prerequisite: Chemistry 111-2. Three hours' credit per semester.

311-2. Organic Chemistry. A study of the various compounds of carbon, their preparations, properties, and reactions; the theories underlying the subject and the effect of molecular structure on chemical and physical properties. Three lectures and three hours laboratory per week. Prerequisite: Chemistry 111-2. Four hours' credit per semester.

313. Biochemistry or Physiological Chemistry. This is an introductory course. Two lectures and one three-hour laboratory period per week. Prerequisite: Chemistry 311-2. Three hours' credit.

411-2. Physical Chemistry. A study of topics dealing with the more fundamental aspects of chemistry. The states of matter, the elementary principles of thermodynamics and thermochemistry will be stressed. Calculus used, but not required. Three lectures and three hours laboratory per week. Prerequisite: Chemistry 211-2. Four hours' credit per semester.

DEPARTMENT OF MATHEMATICS

The courses in mathematics are designed to provide basic content fo students classified as mathematics majors or minors, engineering, pre dental, pre-medical, majors or minors in business administration, teacher and those preparing to teach. In the lower level courses there are man topics of general, practical and cultural interest.

Students majoring or minoring in mathematics must meet the followin requirements:

I. A major in mathematics consists of 28 hours, of which 9 hour must be above the 200 level, with the approval of the departmen head.

II. A minor in mathematics consists of 21 hours including Mathematics 211, 212.[1]

Courses 111, 112 and either 113, 213, 114 or 115 are required of al students who elect mathematics to meet the science or mathematics re quirement for graduation.

111. College Algebra. Linear systems, quadratic equations, ratio, proportion and variation, progressions, binomial theorem, theory of equations. Three hours' credit.

112. Plane Trigonometry. Functions of acute angles, logarithms, functions of any angle, radian measure, graphs, identities, oblique triangles. Three hours' credit.

114. Plane Analytic Geometry. Cartesian coordinates, polar co ordinates, the circle, the ellipse, hyperbola and parabola, trans formations, parametric equations, higher plane curves. Prerequisite: 111. Prerequisite or co-requisite: 112. Four hours' credit.

211. Calculus. Functions, limits, the derivative, applications of the derivative, maxima and minima, tangents and normals, the indefinite integral, and the definite integral. Prerequisite or co requisite: 114 or consent of instructor. Four hours' credit.

212. Calculus. Indeterminate forms, integration by substitution, areas, volumes, centroids, power series, and double integrals. Prerequisite: 211. Four hours' credit.

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[1] Transfer students may substitute certain mathematics courses with approval of department head.

213. College Business Mathematics. This course is designed to meet the essential needs of students of accounting, secretarial studies and business education training. It deals with applications of percentages, computing mark-up and interest charges, depreciation, stock and bond purchases, etc. Two hours' credit. (Does not apply toward the major or minor)

313. Theory of Equations. Complex numbers, study of cubic and quartic equations, determinants and symmetric functions. Prerequisite: 211. Three hours' credit.

314. Differential Equations. Equations of first order and first degree, homogeneous equations, physical applications, linear equations, exact differential equations, etc. Prerequisite: 212. Three hours' credit.

413. College Geometry. Technique of construction with emphasis on triangles and circles. Methods of approach to construction problems, and analysis of possibilities of construction. Theorems in plane Euclidean geometry. Prerequisite or co-requisite 112 and Junior standing. Three hours' credit.

414. Advanced Calculus. Multiple integrals, applications, partial differentiation, implicit functions, series, line and surface integrals, vector notation, and Gamma and Beta functions. Prerequisite: 212. Three hours' credit.

415. Abstract Algebra. A study of sets, number systems, groups, rings, vector spaces, lattices, and Boolean Algebra. Prerequisite: 212 and the consent of the instructor. Three hours' credit.

Note: Upper level courses will be offered in alternate years or when needed.

Engineering

114. Elementary Surveying. The compass and transit, leveling, contours, land survey, earthwork, etc. One hour lecture and three hours field work. Prerequisite or co-requisite: 112. Two hours' credit.

115. Slide Rule Problem Solving. Use and application of the slide rule to engineering and related topics, including proportion, powers and roots, logarithms, and trigonometric functions. Prerequisite or co-requisite: Mathematics 112. Two hours' credit.

111-112. Engineering Drawing. Instruction in the use of drafting instruments and equipment. Principles of projection drawing. Drafting practice, including sectional views, auxiliary views, and revolution. Dimensioning, sketching and lettering. Pictorial representation, including axonometric projection, oblique projection and perspective. Two two-hour periods per week. Two hours' credit for each course.

211-212. Engineering Drawing. Application of multiview and pictorial methods to the representation of geometric solids. Problems in space relationships. Intersections and development of surfaces. American standard dimensioning practice including shop terms. Representations of gears, and piping. Detail and assembly drawings. A drafting project, including technical sketching, working drawings and prints. Prerequisite: Drawing 112. Two two-hour periods per week. Two hours' credit for each course.

For Teacher's Certificate

113. Arithmetic. Content course required for the elementary teacher's certificate. Systems of notation, number concept, the fundamental operations, emphasis on the decimal system of notation, decimal fractions, percentage, graphs and measurement. Two hours' credit. (Does not apply toward the major or minor.)

115. Fundamental Concepts of Mathematics. This course meets the requirement for certification for elementary teachers and high school teachers. Number systems, the Hindu-Arabic system, measurement, the function concept, limits, the nature of proof. Two hours' credit. (Does not apply toward the major or minor.)

Nursing

111. Fundamentals of Nursing. A course of lectures, conferences, observations and laboratory exercises designed to assist the student in developing an understanding of the broad concepts of nursing. The student is given an over-all perspective of normal health needs as well as the basic principles which serve as guides in planning and giving individualized nursing care. Experience is provided to develop basic bedside nursing skills. Lecture: Two hours. Laboratory: Three hours. Total: Three hours' credit.

112. Maternal and Child Health. Experience is provided in the care of mothers, infants and children. The approach is made through an understanding of the normal maternity cycle and the well child. Through classroom and clinical experience the student gains:

1. Knowledge of the normal physical emotional and social growth and development of the child through the normal completion of the maternity cycle.
2. An understanding of the changes which occur during normal and abnormal antepartal, intrapartal, postpartal and neonatal.
3. A knowledge of the problems and deviations which influence and alter the normal course of motherhood and the child's development.
4. Skill in the use of nursing techniques. Pharmacology, diet therapy and group skills are integrated throughout the course. Lecture: Four hours. Laboratory: Nine hours. Prerequisite: Nursing 111. Seven hours' credit.

113. Psychiatric Nursing. The study of the interpersonal relationships between the nurse and the patient is integrated throughout the program in nursing. The course in psychiatric nursing is a study of psychodynamics to further understanding of personal behavior. Clinical experiences will provide the raw data from which students will analyze, formulate and validate meanings of behavior. Six hours' credit.

211. Medical and Surgical Nursing. This course provides a general knowledge of the basic scientific principles and techniques of nursing in planning and rendering patient-centered nursing care. Included are the basic concepts and principles related to the occurrence, symptoms, treatments, prevention and control of medical-surgical conditions. Areas of study include administration of medications and fluids, pre-operative and post-operative care, inhalation therapy, diagnostic tests and the circulatory, respiratory, digestive and genito-urinary systems. Special emphasis is on the application of scientific principles and techniques to new situations and to specific areas in the hospital laboratory. Lecture: Five hours. Laboratory: Twelve hours. Prerequisite: Nursing 111; Nursing 112; Nursing 113. Nine hours' credit.

212. Medical and Surgical Nursing. A continuation of Nursin 211. This course includes a study of the nursing care of patient of all age groups including children and older persons with th more complex medical and surgical conditions. These includ neurological, ear, eye, endorinological, skin, orthopedic, an blood disorders. Pharmacology and diet therapy are integrate throughout. Emphasis is placed upon the nursing needs of th individual in relation to his medical problems. Rehabilitatio problems as well as problems of convalesence are considered Students receive practice in special techniques and procedure involved in caring for these patients. Lecture: Four hours. Labora tory: Fifteen hours. Prerequisite: Nursing 111; Nursing 112 Nursing 113; Nursing 211. Nine hours' credit.

DEPARTMENT OF PHYSICS

IT IS THE PURPOSE of this department to help the student understand the workings behind many of the physical phenomena that occur around him every day. It is also to create an interest in him to realize and to utilize the powers of analysis in all aspects of life.

The courses in the physics department are designed to provide basic content for students classified as physics minors, non-science majors, pre-professionals, and those preparing to teach physics in high school. Included also are courses of general interest open to all students.

Students minoring in Physics must meet the following requirements:

I. Minor in Physics—18 hours

Six hours on the junior or senior levels.

111-2. PHYSICAL SCIENCE. A general education course broadly covering the physical science area by means of a thorough study of large concepts chosen for their integrative values. The course is non-mathematical. Credit will not count toward a major or minor in physics. Three lectures and one laboratory period per week. Four hours' credit per semester.

211. GENERAL PHYSICS. A course in that part of physics dealing with the fundamental laws of mechanics, heat, and sound. Prerequisites: Mathematics 112 or permission of the instructor. Three lecture or recitation hours and one laboratory period per week. Four hours' credit.

212. GENERAL PHYSICS. A study of the fundamental laws of electricity, magnetism, light, and modern physics. Three lecture or recitation hours and one laboratory period per week. Prerequisite: Physics 211 or permission of instructor. Four hours' credit.

214. ACOUSTICS. A study of the fundamentals of the production, transmission, reflection and absorption of sound. This course is primarily for music majors and does not carry credit toward a minor in physics. Three hours' credit.

313. INTERMEDIATE MECHANICS. An introduction to the rectilinear and curvilinear dynamics of particles and larger bodies. A study is made of the applications of the laws of equilibrium to machines

and structures. Three meetings weekly. Prerequisite: Physics 21 and Mathematics 211. Three hours' credit.

314. Intermediate Electricity and Magnetism. A study of electr and magnetic fields and circuits. Three meetings weekly. Pr requisite: Physics 212 and Mathematics 211. Three hours' credi

315. Intermediate Heat. A study of pyrometry, thermometr calorimetry, and change of state and an introduction to the law of thermodynamics. Prerequisite: Physics 211 and Mathematic 211. Two hours' credit.

316. Intermediate Sound. A study of vibrating strings and mem branes, with emphasis on the acoustical properties of variou shaped cavities. Prerequisite: Physics 211 and Mathematics 211. Two hours' credit.

317. Physical Optics. A study of the principles of physical optic and the application of these principles. Prerequisite: Physics 21 and Mathematics 211. Two hours' credit.

318. Elementary Electronics. A study of vacuum tubes, circuits thermonics, photo-electricity, et cetera. Prerequisite: Physics 21 and Mathematics 211. Two hours' credit.

319-20. Laboratory Practice. Special laboratory problems. One three-hour laboratory period per week. A student need not take both semesters of practice to receive credit for just the one. Prerequisite: Physics 212 and Mathematics 211. One hour's credit per semester.

323. Descriptive Astronomy. A brief introduction to astronomy designed for those wishing a general knowledge of the subject. A description of the members of the solar system and a brief history of the subject showing its contribution to the progress of science. Not to apply toward a minor. There are no prerequisites. Two hours' credit.

324. Introductory Meteorology. A brief study of weather maps and polar front analysis and an introduction to the principles underlying weather forecasting. Does not carry credit toward a minor. There are no prerequisites. Two hours' credit.

411-2. Atomic and Nuclear Physics. A year's course in the study of the atom with special thought given to spectra, the production of X-rays, natural and induced radioactivity, high energy machines, health physics, et cetera. Included also is a study of the men of modern physics. Prerequisite: Physics 212 and Mathematics 212. Three hours' credit per semester.

DIVISION OF SOCIAL SCIENCE

Since the social sciences are concerned with the origin and develop-
ent of human society, and with the social, political, economic and cul-
tral achievements of man they become a necessary part of a liberal (arts)
ucation. The social sciences are related not only to the development of
e individual but to human interrelationships and social interaction. The
imary purpose of instruction in the social sciences is to enable the stu-
nt to assume more effectively his responsibilities as a citizen and as a
ader.

USINESS ADMINISTRATION
USINESS EDUCATION
CONOMICS
DUCATION
EOGRAPHY
HEALTH AND PHYSICAL EDUCATION
PSYCHOLOGY
HISTORY
HOME ECONOMICS
POLITICAL SCIENCE
SOCIOLOGY

DEPARTMENT OF BUSINESS ADMINISTRATION, BUSINES EDUCATION, AND ECONOMICS

For the individual who desires a career in modern business, a soun knowledge of basic fundamentals in several fields is needed. The opera tions of business enterprise in recent years have become increasingly com plex in character. They have ceased to be simple and localized and the have become highly intricate and involved—statewide, nationwide, an worldwide. To manage business concerns under our system of free enter prise, broad training is necessary.

The department of Business Administration realizes the need, not onl of turning out graduates with basic understandings and some busines skills, but also of developing teachers in the field of business educatio and secretarial science.

To this end the department offers a wide variety of courses designe to help the student who enters business, pursues advanced study, or follow a career in teaching business subjects.

The course offerings in this department include the fields of busines administration, economics, business education, and secretarial science. Students majoring in business administration or minoring in economics o business education must meet the following requirements:

I. Major in Business Administration — 24 hours
   - A. Business Administration 211-2
   - B. Ten hours must be junior or senior level courses
   - *C. College Business Mathematics 213

II. Major in Economics — 27 hours
   - A. Economics 211-2
   - B. Twelve hours must be junior or senior level courses

III. Minor in Economics — 18 hours
   - A. Economics 211-2
   - B. Six hours must be junior or senior level courses

IV. Minor in Business Administration—18 hours
   - A. Business Administration 211-212
   - B. Six hours must be junior or senior level courses

V. Minor in Business Education (Secretarial Science) — 18 hours
   - A. Secretarial Science 111 & 112 or 211 & 212
   - B. Six hours must be junior or senior level courses

Any high school graduate entering Union with at least one high school unit in typewriting or shorthand will be permitted to take a proficiency

*Not included in 24 hours

t in this area. No college credit is given on the basis of this test; how-er, it is accepted by the State Department of Education toward cer-cation in secretarial science when submitted through the registrar's ice.

A student who has completed a minimum of one year of shorthand or ewriting in high school or the equivalent will enroll for the courses cretarial Science 311—Shorthand Review; and Secretarial Science 211 Typing Review, respectively.

Business Administration

13. Introduction to Business. A survey of the general field of business with emphasis on types, forms, and operations of business organization. Three hours' credit.

14. American Economic History. A study of the economic development of the United States from colonial times to the present with special emphasis on its agricultural, industrial, commercial and financial aspects. Three hours' credit.

211-2. Principles of Accounting. An elementary course including study of professional accounting, sole proprietorships, partnerships, and a brief treatment of corporations. Three hours' credit per course.

213. Personnel Management. A survey of the principles and practices of personnel administration. Three hours' credit.

214. Public Finance. A study of the development of government finance, including fiscal policy, the public debt, government income and expenditures, and bases for taxation. Three hours' credit.

312-3. Intermediate Accounting. An intensive study of the theory of accounts and its applications. Selected problems and reading on the various phases of accounting procedure. Three hours' credit each semester.

314. Advanced Accounting Problems. Application of accounting theory to specialized problems of industry. Two hours' credit.

315. Cost Accounting. A study of techniques which embrace an inquiry into methods of accounting for materials, labor and factory burden in job order and process cost systems. Two hours' credit.

316. Auditing. A study of the theory of auditing, the valuation of assets, the analysis of accounting procedure, the presentation of statements. Two hours' credit.

317. Income Tax Accounting. A study of the internal revenue code as it affects individuals, partnerships, fiduciaries, and corporations. Three hours' credit.

318. Industrial Management and Organization. An introducti to the principles of planning, coordinating, and controlling t operations of an industrial enterprise with special study on types of business organizations. Three hours' credit.

319. Business and Government. A study of government impleme tation, regulation and control of business enterprises. Three hou credit.

320. Office Management. A study of the most scientific procedur and practices concerning office routine, scheduling work, personn practices, supervision of employees, and physical equipment. Thr hours' credit.

321-2. Business Law. A study of the principles of law frequent occurring in business transactions, including contracts, princip and agent, sales, partnerships, corporations, negotiable instrument etcetera. Three hours' credit per course.

323. Labor Management Problems. A study of important problem in labor, with special reference to the development of stable rela tionships between management and organized labor. Three hour credit.

324. Corporation Finance. A study of corporation and promotion securities, capital structures, short and long term financing expansion, reorganization, and liquidation. Three hours' credi

325. Business Communications. See Business Education 325 fo course description. Three hours' credit.

326. Principles of Insurance. See Economics 326 for cours description. Three hours' credit.

327. Money and Banking. See Economics 327 for course description Three hours' credit.

328. Principles of Marketing. A course designed to introduce th student to the major institutions and the basic theoretical concept of the field of marketing. Three hours' credit.

414. Retail Merchandising. A study of the merchandising prob lems, policies and procedures of various types of retail institutions Three hours' credit.

415. Salesmanship. A study of the laws of salesmanship and psycho logical application of these laws. Three hours' credit.

416. Advertising. A survey course in the functions, theory, and ap plications of advertising. Three hours' credit.

417. Senior Seminar. A thorough examination of literature in a chosen field, vital to a broadening appreciation of business and economic fields of knowledge. Two hours' credit.

Economics

114. American Economic History. See Business Administration 114 for course description. Three hours' credit.

211-2. Principles and Problems of Economics. The courses are concerned with fundamental economic principles and institutions. Theoretical and descriptive materials are brought together in the analysis of concrete problems. The courses are designed to provide a basic study of the evolution, organization, and functioning of the economic system. Consideration is given to such topics as mechanics of modern exchange economy, organization of business enterprises, theory of national income and employment value and price determination. Three hours' credit per course.

214. Public Finance. See Business Administration 214 for description. Three hours' credit.

323. Labor Management Problems. See Business Administration 323 for course description. Three hours' credit.

326. Principles of Insurance. A survey course dealing with the economic and social benefits of insurance. Major types of insurance are also studied. Three hours' credit.

327. Money and Banking. A study course dealing with the economics of money, credit, and banking. Three hours' credit.

328. Principles of Marketing. See Business Administration 328 for course description. Three hours' credit.

415. Economic Statistics. An introduction to the study of the method of collection classification, analysis, and interpretation of business and economic data. Three hours' credit.

417. Development of Economic Thought. An interpretation of the literature and spoken word of the great thinkers of the past and how they influence present day economic doctrine. Three hours' credit.

418. Comparative Economic Systems. An analysis of the rival economic doctrines of capitalism, socialism communism, communism, and fascism. Three hours' credit.

Business Education

111-2. Typewriting. A study of the standard keyboard with emphasis on correct position, vertical and horizontal centering, and drills for speed and accuracy. During the second semester different business forms and letters will be typed. Three hours' credit per course.

211. Typewriting. Designed for students who have had typewriti below the college level. A survey of the work normally cover in beginning typing. Three hours' credit.

212. Advanced Typewriting. Greater speed and accuracy is dev oped. Office forms and business letters are continued. Thr hours' credit.

214. Office Appliances. A study of the use and practice in dictatin duplicating, adding and other machines. Prerequisite: Typewri ing 111. Three hours' credit.

221-2. Shorthand. A study of the fundamentals of Gregg Sho hand. Prerequisite: Typewriting 112. Three hours' credit p course.

311. Shorthand Review. A review of brief forms and prelimina dictation from eighty to one hundred words a minute. Designe for students who have studied shorthand below the college leve Three hours' credit.

312. Advanced Shorthand. One hundred and one hundred an twenty word dictation. Special emphasis is given to accurate an mailable transcripts. Prerequisite: Secretarial Science 222 or 31 Three hours' credit.

320. Office Management. See Business Administration 320 fo course description. Three hours' credit.

325. (313) Business Communication. Practice in the writing o different types of business letters with emphasis on effectivenes in the use of the language. Three hours' credit.

413. Advanced Secretarial Techniques. This course is designe for the development of secretaries capable of assuming responsibili ties, exercising good business judgment, and carrying duties t their satisfactory conclusion. Two hours' credit.

414. Secretarial Office Practice. This course is designed to pro vide laboratory and office experience for seniors who will do secre tarial work or teach commerce. Three hours' credit.

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

Offerings in the Department of Education and Psychology serve the following general purposes: to give students a better understanding of human relations and individual adjustment and to help them to apply these concepts in personal living; to provide knowledge in these fields essential for an area of concentrated study and for further advanced work; and to furnish the professional education necessary for prospective teachers.

Majors are offered in psychology and in elementary education, minors are offered in psychology and in secondary education. Students majoring or minoring in psychology or education must meet the following requirements:

I. Major in Psychology—27 hours
   A. Education 317 may be used as an elective.

II. Major in Elementary Education

   Students majoring in Elementary Education will meet requirements for teaching in the field as outlined on pages 66 and 67.

   Elementary education majors are not required to complete a minor. Students planning to teach in high school are referred to pages 66 and 67.

III. Minor in Psychology—21 hours
   A. Education 317 may be used as an elective.

IV. Minor in Secondary Education—21 hours
   A. Twelve hours in education
   B. Elective—nine hours in education or psychology
   C. Nine hours junior-senior courses
   D. Education 413

The professional work in the teacher education program for positions both in high school and in the elementary grades is given on pages 66-67. Teachers wishing to renew certificates should consult the registrar or the head of the department of education.

EDUCATION

112. Using Books and Libraries. Lectures and problems on the make-up of books, Dewey classification, card catalog, magazine indexes, the more common reference books, and other library tools and services. Required of all Freshmen in the second semester. One-half hour's credit.

313. The Teaching of Social Studies and Science. A method course dealing with teaching social studies and science in the elementary school. Emphasis on activities and units of work. Two hours' credit.

314. The Teaching of Arithmetic. A materials and methods course. A study is made of the arithmetic curriculum in the elementary grades. Emphasis is placed on the application of concepts and processes at the various grade levels. Two hours' credit.

315. The Teaching of Reading. This course is concerned with materials and methods in teaching reading in the elementary school. Interrelationships in the total language arts program are studied. A developmental program is stressed. Two hours' credit.

316. History and Philosophy of American Education. The main developments in American education are studied in the light of their historical and philosophical foundations. Two hours' credit.

317. Tests and Measurements. Deals with the theory of testing, construction of tests, and the administration and scoring of tests, acquaintance with the state testing program, and with commonly used statistical measures is provided for in the course. Prerequisite: Psychology 213. Three hours' credit.

319. Audio-Visual Materials In Education. The scope, history, and value of audio-visual materials; the operation, care, and use of equipment; intensive study by each student of material selected from his major field. Two hours' credit.

321. Principles and Methods of Teaching in Secondary Schools. A basic course in fundamentals of secondary school teaching with emphasis on the unit method. A study is also made of the secondary school as an institution in a democratic society and of the reorganizations that are taking place in this field. Prerequisite: Psychology 313 or consent of the instructor. Three hours' credit.

322. Library Materials and Service. A course designed to acquaint teachers with the school library both from the point of view of the teacher and the librarian. One hour's credit.

323. Educational Sociology. A study of the relation of the school to the community and other social institutions. Prerequisites: Sociology 211 or consent of the instructor. Two hours' credit.

411-2. Student Teaching in Elementary School. The purpose of the course is to provide for observation, participation, and student teaching under supervision. Classes meet daily and an additional hour must be reserved for a seminar. Prerequisites: An

average grade of C both in academic subjects and in professional courses completed. Psychology 213, 318; methods courses in the areas where the teaching is to be done. Four and two hours' credit respectively.

413-4. Student Teaching In Secondary School. The purpose of this course is to provide for observation, participation and student teaching in the secondary school. Classes meet daily and an additional hour must be reserved for a seminar. Prerequisites: An average grade of C both in academic subjects and in professional courses completed; Psychology 313; Education 321 and consent of the instructor. Four and two hours' credit respectively.

415. Educational Laboratory. Advanced and/or experienced students are given opportunity to study and practice procedures used in dealing with children who have marked educational problems. Prerequisites: Psychology 213, 318. Two hours' credit.
credit.

426. Guidance. This course is designed to integrate psychological principles as they specifically apply to counseling and guidance procedures. Emphasis placed upon practical methods and understanding of a guidance program, its organization and administration, individual needs of students, and the past, present and future outlook of guidance in educational institutions. Prerequisites: Psychology 213, either Psychology 413 or Education 317, or consent of the instructor. Three hours' credit.

Special Methods Courses in Secondary School Subjects

417. Teaching Art in Secondary School. A materials and methods course in the teaching of art. Two hours' credit.

418. Teaching Science. A course for majors and minors who plan to teach biology, physics, or chemistry in secondary school. Prerequisite: Twelve hours in Biology. Two hours' credit.

419. Teaching of Business Subjects. A material and methods course in the teaching of general business subjects for those who plan to teach these subjects in secondary school. Two hours' credit.

420. Teaching English in Secondary School. A survey of methods and materials used in teaching English. Two hours' credit.

421. Teaching Health and Physical Education in Secondary School. The purpose of the course is to prepare the student to carry out the health and physical education program at the secondary school level. Two hours' credit.

422. Teaching of Mathematics in Secondary School. A course in methods for high school teachers of mathematics. Prerequisite or co-requisite: Mathematics 211. Two hours' credit.

423. Techniques in Modern Language Instruction. A study of principles, practices, and methods of teaching modern language in secondary school. Prerequisite: 211 and 212 in the language studied. Two hours' credit.

424. High School Music Methods. A methods and materials course for those who plan to teach public school music and instrumental music in elementary and secondary school. Two hours lecture and two hours laboratory per week. Two hours' credit.

425. Teaching the Social Studies in Secondary School. A materials and methods course in the teaching of the social studies. Two hours' credit.

PSYCHOLOGY

111. Social Adjustment. This course is required of all freshmen—men and women. It deals with such fundamentals as etiquette, wardrobe, voice culture and other social adjustments necessary for the development of the total personality. ½ hour's credit.

213. General Psychology. A fundamental course in human behavior from the bio-social viewpoint. Demonstrations constitute a basic part of the work. Three hours' credit.

214. Psychology of Adjustment. Total adjustment is studied as it relates to personal development, educational experiences, vocational choices, home and family living, and social adaptations. Two hours' credit.

218. Developmental Psychology. A study of human growth and development from conception through old age. Observation is emphasized. Prerequisite: Psychology 213. Three hours' credit.

313. Educational Psychology. An intensive study is made of the learning process, including a consideration of learning theories. This study is related to such topics as development and environmental influences. Prerequisite: Psychology 213. Two hours' credit.

315. History of Psychology. A survey of the development of psychology from its early beginning to the present time, with em-

phasis upon the various schools of psychology and contributions of outstanding men. Prerequisite: Psychology 213. Three hours' credit.

317. Abnormal Psychology. Topics studied will include: causes and types of abnormal phenomena, mental hygiene and therapeutic methods. Prerequisite: Psychology 213. Three hours' credit.

411. Elementary Statistics. A study of the basic statistical measures and concepts helpful in understanding experimental design and the reports of experiments in psychology and education; a study of averages, measures of variability, coefficient of correlation, sampling error, levels of confidence, and other related concepts. Prerequisite: Psychology 213 and consent of instructor. Three hours' credit.

412. Experimental Psychology. A course designed primarily to cover both theoretical and practical aspects of experimental psychology. Emphasis is placed upon evaluating and understanding experimental designs and results, practical applications of theoretical concepts and principles through the use of individual and class projects, research techniques, written reports of projects and readings in research journals. Use will also be made of experimental psychological apparatuses. Prerequisites: Psychology 213, 411, or consent of the instructor. Three hours' credit.

413. Psychological Measurements. The student will study the nature, administration, and interpretation of intelligence tests, interest tests, personality tests, and aptitude tests. Prerequisites: Psychology 213, 313, and 411 or Education 317. Three hours' credit.

418. Social Psychology. A survey of the factors which underlie the development of social behavior, the social aspects of personality development and the interaction between the individual and groups. Prerequisite: Psychology 213. Two hours' credit.

419. Seminar. Designed to cover some of the various areas of Psychology in considerable detail, specific topics to be selected by students under the supervision of instructor. Oral reports will usually be made by students, necessitating outside readings. No specific text will be used for this course and provisions may be made for individual and/or group projects. Prerequisites: Psychology 213 and permission of instructor, senior standing. Two hours' credit.

DEPARTMENT OF HISTORY

The Department of History offers courses which are designed to meet both cultural and professional objectives. They attempt to give the student a discriminating knowledge of the past by encouraging an understanding of other times according to the standards of those times and by evaluating institutions and movements in the light of their effects upon later developments. The historical approach to the understanding of current problems is desirable for those who expect to enter such professions as teaching, the ministry, the law, journalism, social work, the foreign service or politics. It is also useful for those who are seeking a broad, general education as a background for good living.

Students majoring or minoring in history must meet the following requirements:

I. History major—26 hours
   A. History 111-2, 211-2, 431.
   B. Ten hours must be junior and senior level courses.

II. History minor—18 hours
   A. History 111-2, 211-2.
   B. Six hours must be junior and senior level courses.

HISTORY

111. Europe, 376 to 1660. Survey of cultural, economic, political, religious, and social developments. Three hours' credit.

112. Europe, 1660 to the Present. A continuation of History 111. Three hours' credit.

211. The United States, 1492 to 1865. A survey of political, social, and economic developments particularly as they reflect the development of the American democratic tradition. Three hours' credit.

212. The United States, 1865 to the Present. A continuation of History 211. Three hours' credit.

213. Ancient Greece and the Near East. Early Minoan civilization, rise of the Greek city-state, political and social history through the Hellenistic period. Three hours' credit.

214. Rome and the West. Roman conquest of Italy; rise and decline of the republic; rise of the empire; contribution to western civilization. Three hours' credit.

311. History of England to the Eighteenth Century. A study of the origin and growth of the English people from ancient times to the eighteenth century. Emphasis is placed on constitutional

developments. Prerequisite: History 111 or consent of the instructor. Three hours' credit.

312. England from the Eighteenth Century to the Present. Stress is placed upon main currents of thought, constitutional changes, the rise of parliament, and imperial policy. Prerequisites: History 112 or consent of the instructor. Three hours' credit.

314. Introduction to International Relations. See Political Science 314 for description.

315. History of Tennessee. The political, constitutional, social, and economic history of Tennessee from 1796 to the present. Two hours' credit.

316. Renaissance and Reformation. Northern, southern, and high renaissance; reformation, counter-reformation, and Protestantism. Three hours' credit.

317. The French Revolution. A study of the background, personalities and events of the revolution, the Napoleonic Wars, and the Congress of Vienna. Three hours' credit.

321. Nineteenth Century Europe. The history of the chief social and political developments from the Congress of Vienna to the close of the Nineteenth century. Prerequisite: History 112 or consent of the instructor. Three hours' credit.

322. Twentieth Century Europe. The history of the chief social and political developments since 1900 with an emphasis on international relations. Prerequisite: History 112 or consent of the instructor. Three hours' credit.

323. Church History. See Religion 323 for description.

324. Church History. See Religion 324 for description.

*325-6. Current Events. An analytic study of state, national, and international events. Readings from newspapers and magazines. Students may enroll on a non-credit basis. One hour's credit per semester.

411. History of American Diplomacy, to 1900. A survey of the most significant developments of American foreign policy. Prerequisite: History 211. Three hours' credit.

412. History of American Diplomacy, Since 1900. A continuation of History 411 with emphasis on problems arising from our emergence as a major world power. Prerequisite: History 212. Three hours' credit.

*No credit allowed toward core curriculum requirements or a history major or minor.

417. The South. The Old and the New South, 1607 to the present. Prerequisite: History 211 and 212 or consent of the instructor. Three hours' credit.

418. Russia. The history of the political and institutional developments in Russia since Peter the Great with an emphasis on the Russian Revolution and international relations. Prerequisite: History 111 and 112, or consent of the instructor. Three hours' credit.

422. American History, 1900 to the Present. A survey of recent political, social, and economic changes in the United States. Emphasis is placed on reforms and foreign policies. Prerequisite: History 212 or consent of instructor. Three hours' credit.

423. Social and Intellectual History of the United States. Social and intellectual cross currents in American history beginning with colonial America. Occupations, recreation, religious movements, Utopias, reform movements, immigration, labor, Social Darwinism, etc. Prerequisite: History 211-12. Three hours' credit.

424. The Middle Period of American History, 1815-1860. An intensive study of the political, diplomatic, economic and intellectual history of the period. Basically philosophic in nature, the course will include such topics as political institutions, the rise of Jacksonian Democracy, the Whig Party, the development of the slavery controversy, the role of art, education, religion, labor, etc., in the period and significant personalities. Three hours' credit.

431. Senior Seminar. A study of the philosophy of history and an intensive survey of the recent literature in the field. Two hours' credit.

SOCIOLOGY

Students majoring or minoring in sociology must meet the following requirements:

I. Sociology major—26 semester hours
   A. Sociology 211, 417
   B. Twelve hours must be junior and senior level.

II. Sociology minor—18 semester hours
   A. Sociology 211, 417
   B. Six hours must be junior and senior level.

211. Principles of Sociology. A survey of sociology in an effort to master the principles and laws found in social relations. Three hours' credit.

213. Social Problems. A practical introduction to some of the specific contemporary social problems. Three hours' credit.

314. Rural Sociology. An intensive course in the elements of rural life to meet the needs of rural teachers, pastors, and other rural community workers. Two hours' credit.

315. The American Community. A course planned to help the student obtain insight into American community life. Three hours' credit.

316. Crime and Delinquency. A study of the sources of crime and delinquency, theories of punishment, treatment of crime, etc. Three hours' credit.

317. Urban Sociology. A study of the growth of cities, the social processes and social organization of the city and their effect on people. Two hours' credit.

318. Industrial Sociology. A study of the influences on society and on the individual of complex organizations in the business and industrial community, how these function, and how they accommodate to each other. Two hours' credit.

323. Educational Sociology. See Education 323 for description. Two hours' credit.

414. The Family. A course planned to provide background and understanding concerning the trends and problems of marriage and family life. Three hours' credit.

415. Population Problems. A study of the social implications of changing birth rates, population shifts, population pressures, etc. Two hours' credit.

417. The History of Social Thought. A survey of the origin and development of social thought with an emphasis on contemporary social theory. Prerequisite: Sociology 211 or consent of the instructor. Three hours' credit.

418. Social Psychology. See Psychology 418 for course description. Prerequisite: Sociology 211 or consent of instructor. Two hours' credit.

419. Minorities in American Society. The sociological significance of minorities in American society will be studied. Attention will be given to national, religious and ethnic minorities in the United States. Certain problem areas will be examined. Three hours' credit.

420. Introduction to the Field of Social Work. The field of so work will be surveyed in terms of its objectives; its sponsorsh its methods; social case work, etc. Two hours' credit.

POLITICAL SCIENCE

211. American National Government. A study of the developme structure, and operation of our national government. Three hou credit.

212. American Government. A continuation of Political Science 2 including a survey of the constitutional status of the states, th internal structure and processes of operation. The functions of t county and municipality are examined in the light of prese trends toward centralization. Three hours' credit.

313. Political Parties and Electoral Problems. A study of t nature, development and functioning of political parties in t United States. Attention is given to leaders, issues, and proble of our party system. Prerequisite: Political Science 211 or conse of instructor. Two hours' credit.

314. Introduction to International Relations. This course designed to deal with the basic concepts of international politi dealing specifically with elements and problems of national pow diplomacy and warfare, vital interests of nations and their r lations to diplomacy and policy. It will include a study of econ mic problems of international policy, balances of power, allianc and international organizations. Three hours' credit.

GEOGRAPHY

213. Elements of Geography. A basic course emphasizing the ph sical aspects. Two hours' credit.

311. Geography of North America. An interpretive study of th natural regions and their influence on the economic life of ma with an emphasis on the historical development. Three hour credit.

313. Human Geography. This course is an introduction to the fiel of human geography. It is a study of peoples and their work the place or site, and the specific time. The course will be set i historical and world perspective. Three hours' credit.

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

PHYSICAL EDUCATION

The Department of Health and Physical Education believes physical lucation to be that part of the total school program which adds its ique contribution primarily through the medium of large muscle tivity; with the acquisition of motor skills of interest to youth and of lue in later life recreational activities; and with the development of cially desirable habits, attitudes, and knowledge which contribute tc e aims of education.

The aims of the Health and Physical Educational Department are as llows: to build a basis in scientific information for good health attitudes nd habits; to guide youth in the conservation and improvement of their wn health; to cultivate in the student socially desirable attitudes and aits, to offer opportunity for recreation; to emphasize the acquiring of ills in recreational physical activities that can be used pleasantly and rofitably in later life; to prepare teachers (coaches), health educators, pervisors, administrators and other specialists in the fields of school nd community health, physical education, and recreation.

The Health and Physical Education Department feels since the mphasis in education is being placed on the complete development of ach individual, students should be brought to realize the importance of at part of their education which comes through participation in hysical activities. With this purpose in mind, the faculty at Union Jniversity requires all students to have two hours of physical education er week during their freshman and sophomore years.

Students majoring or minoring in Health and Physical Education must eet the following requirements:

I. Major in Health and Physical Education—27 hours
   A. Health—12
   B. Physical Education—12
      1. Physical Education 321, 417, 419
      2. Ten hours must be junior and senior courses.

II. Minor in Health and Physical Education—21 hours
   A. Health—9
   B. Physical Education—12
      1. Physical Education 321, 417, 419
      2. Eight hours must be junior and senior courses.

111-2. Physical Education. An exploratory course in physical edu tion activities. One-half hour's credit per semester.

113. Aquatics I: Beginners Learn to Swim. This Aquatic Cou is offered for the students that cannot swim or who have acquir no aquatic skills whatsoever. The objective of this course is instruct students how to swim by using nationally recommend methods. Two hours' credit.

211-2. Physical Education. An exploratory course in physical ed cation activities. One-half hour credit.

213. Aquatics II: Advanced Aquatics. This Aquatic course offered for the students who are able to swim, but who desi to acquire better swimming skills such as: breast stroke, si stroke, crawl stroke, back swimming, life saving stroke, flutt kick, scissor kick, inverted scissor kick, frog kick and increasir swimming ability that they may be able to swim 440 yards. Tw hours' credit.

214. Tumbling & Stunts. Theory and Practice. One hour credit.

215. Golf & Tennis. This is a beginning course covering the bas fundamentals. Theory and practice. Two hours' credit.

216. Marching & Calisthenics. Theory and practice. One hour credit.

217. Minor Sports. This course covers the history and rules an gives practice in playing a number of sports such as volleyball archery, badminton, bowling, table tennis, touch football, an speedball. Two hours' credit.

220. Physical Education in the Elementary Schools. Technique of teaching with curriculum planning, including selection o material suitable for different age levels in grades one through eight. Two hours' credit.

221. Recreational Sports and Games. This course includes games o low organization, classified according to age levels for playground and classroom, mass games, relays, story play, mimetics, singing games and stunts will be included. Opportunities are given students to teach under directed supervision. Two hours' credit.

222. Skills and Techniques of Team Sports. Methods of teaching the skills and techniques of softball, volleyball, soccer, speedball and field ball. Meets three times weekly. Three hours' credit.

214. Programs, Pageants, and Festivals. A study of the organization and production of play days, festivals, pageants, programs for schools and P. T. A. meetings, and problems in stage planning, costuming and financing will be studied. Three hours' credit.

213. Aquatics III: Life Saving. Aquatics III is for students who have completed the Aquatic II course. The purpose of this course is to instill in the minds of the students the principles of water safety and to certify those students who successfully complete the course as lifesavers. To become a lifesaver a student shall be required to master many skills such as: (1) disrobing in water; (2) using disrobed clothing as buoyants; (3) dealing with cramps in the legs or other parts of the body; (4) acquiring the skills of reaching and wading assists; (5) knowing how to assist a tired swimmer or a novice swimmer; (6) knowing how to enter the water when going to a rescue; (7) various approaches when rescuing a drowning person; (8) various carries to be used when towing a person from the water; (9) defensive tactics to be used when attacked by a frantic victim; (10) shallow water carries and (11) artificial resuscitation. Students desiring this course shall be required to pass a written and acual water examination. Two hours' credit.

216. Advanced Golf & Tennis. A continuation of the fundamentals with emphasis on the points of individual weaknesses. Prerequisite: P. E. 215, or permission of the instructor. Two hours' credit.

217. Organization & Administration of Intramurals. A study of the problems involved in planning, organizing, and directing a coordinated program of recreation within the school. Attention is given to units, time, activities, points, awards, rules, finances, publicity, co-recreation, and other administrative problems. Three hours' credit.

318. Athletic Injuries. Theory and practice in treating the more common injuries in physical education and athletic activities. Attention will be given to massage, bandaging, treatment of sprains, strains, bruises, and wounds; diet and conditioning of athletes. Experience in the training room will be given. Three hours' credit.

319. Officiating Major and Minor Sports. Emphasis is placed upon techniques and mechanics of officiating and the interpreting of the official rules concerning major sports. This course will

prepare you for membership in local or state officials' associati
Two hours' credit.

320. Community Play and Recreation. Discussion and handling
playground and adult recreation under supervision coveri
Types of play area, playground layout, design, construction, m
agement, supervision, and care of equipment. Conducting p
gram of activities adaptable for all ages; handicraft, nature wo
music, athletics, dramatics, dancing, story telling. Organizat
and conduct of leagues, meets, pageants, and routine athlet
Nature and function of play and age periods. Open to non-majo
Two hours' credit.

321. History and Principles of Physical Education. A study
the historical background, general scope, principles, and obj
tives of health and physical education in its relationship
education as a whole. Two hours' credit.

322. Rhythms. A practical activity course for teaching rhythmi
activities to pupils in the elementary and secondary schools. T
hours' credit.

324. Coaching of Football. This course includes the theory a
practice in the fundamentals as well as a review of the vario
systems or types of play. Class meets three days weekly; one lectu
and 2 laboratory. Two hours' credit.

325. Coaching of Basketball. This course includes the theory a
practice in the fundamentals as well as a review of the vario
systems or types of play. Class meets three days weekly; one lectu
and 2 laboratory. Two hours' credit.

326. Coaching of Track and Field. This course includes the theo
and practice in the fundamentals as well as a review of the vario
systems or types of play. Class meets three days weekly; one lectu
and 2 laboratory. Two hours' credit.

327. Coaching of Baseball. This course includes the theory ar
practice in the fundamentals as well as a review of the vario
systems or types of play. Class meets three days weekly; one lectu
and 2 laboratory. Two hours' credit.

415. Driver Education. Theory and practice in conducting driv
education programs. This course leads to the A.A.A. certificat
qualifying persons to conduct programs in driver training an
driver education. Prerequisite: P. E. 218 and drivers licens
Three hours' credit.

17-8. Observation and Teaching. This course is designed to give students in their junior or senior year practical teaching experience as a lead-up to the actual course in practice teaching in the senior year. The student will be assigned to a member of the physical education staff as assistant in one of the required physical education classes. He will critically observe the teacher as well as assist in teaching. All students who sign for this course will meet as a group one period a week for a discussion of problems arising from their observation and teaching assignment. One hour credit per semester.

19. Organization and Administration of Physical Education. A course designed for majors in physical education. The course deals with the administrative problems in a department of physical education in the city school system, rural district, elementary and high school, and colleges. Three hours' credit.

21-2. Physical Education in the High School. Techniques of teaching with curriculum planning, including selection of material suitable for different age levels in grades seven through twelve. Three hours' credit per semester.

HEALTH

222. First Aid. A course related to the study of the methods of giving first aid. The standard and advanced American Red Cross First Aid Certificates are awarded to students completing this course. Two hours' credit.

323. School Health Education. A study of the aims, methods and materials for teaching health in the schools. The course includes the study of human relations, including such areas as mental hygiene, family relations, and community relations. Three hours' credit.

324. Personal Hygiene and Nutrition. A study of the care of the body in respect to structure and functioning. Three hours' credit.

325. Problems in Family, School and Community Health. The purpose of this course is to provide an opportunity for the student to participate in individual or group study in specialized problems which have been identified in the health area. Two hours' credit.

326. Health Education in Elementary School. The purpose the course is to supply a background in health education essen to the teacher in the elementary school. Methods of hea instruction are included. Three hours' credit.

327. Environmental Sanitation. This course deals with the proble of general sanitation, water supply, waste disposal, insect a rodent control, sanitary control of milk and foods, school and r taurant sanitation, and inspection services. Emphasis is placed problems in house heating, ventilations, and lighting. Specialists these fields will be used for lectures. Field trips will supplem textbook and reading assignments. Three hours' credit.

HOME ECONOMICS

THE TERM home economics will call up different mental responses in ifferent individuals. However, home economics at the undergraduate vel has for its primary objective helping the individual student to chieve a rich and satisfying home and family life. It is concerned with he personal and group values that are desirable outcomes of successful amily life and with the use of personal, family and social resources for he attainment of these values. It deals with the social, economic, esthetic, anagerial, health and ethical aspects of family relations, child develop-ent, foods, clothing and housing.

Since the achievement of better every-day living on the campus and in hristian homes is one of the major goals of Union University, the Depart-ent of Home Economics has accepted this as the guide for planning the urriculum in home economics.

The department offers a minor in home economics and gives opportu-ity for students to meet some prerequisites in the various fields of home conomics.

Students minoring in Home Economics must meet the following equirements:

I. Minor in Home Economics—a minimum of 21 hours.
   A. Home Economics 311 and 315.
   B. Eight hours on junior-senior level.

FOODS AND NUTRITION

111. ELEMENTARY FOODS. A basic study of the principles of food selection and preparation, with an introduction to the planning and serving of meals in the home. One hour and two laboratory periods. Three hours' credit.

113. ELEMENTARY NUTRITION. A study of the elementary principles of nutrition and their application to the individual and the family. Three hours' credit.

313. ADVANCED NUTRITION. A study of the fundamentals of human nutrition with practice in dietary planning. Two hours and one laboratory period. Three hours' credit.

314. DIET IN DISEASE. A study of dietary problems in the prevention and treatment in disease. Prerequisite: Nutrition 313. Two hours' credit.

316. Experimental Cookery. Food preparation from an experime tal standpoint. Prerequisite: Foods 111, or consent of the instru tor. Chemistry recommended. One hour and two laborato periods. Three hours' credit.

318. Quantity Cookery. A study of the planning, marketing ar serving of food in large quantities. One hour, two laborato periods. Three hours' credit.

319. Meal Planning, Preparation and Table Service. Plannin marketing, preparation and service of food for the family. (Th includes the study of table linens, china, silver and glassware One hour and two laboratory periods. Three hours' credit.

416. Institutional Organization and Management. Practic problems in organization and management applied to feedin large groups. Three hours' credit.

HOME MANAGEMENT AND FAMILY RELATIONS

114. Contemporary Family Problems. The use of available pe sonal and family resources, both human and material, to achiev more satisfying individual and family living. The importance c management of resources to successful family relationships. Tw hours' credit.

213. Home Nursing. Home care of the sick; first aid, including lab oratory practice in first aid and practical nursing. One period one laboratory period. Two hours' credit.

311. Child Development. A study of the mental, social and emo tional development of the child from infancy to six years of age Special emphasis given to his place in the family group. Three hours and two hours observation per week. Three hours' credit

312. The Home and Its Furnishings. An analysis of the factor involved in the selection and furnishings of a home so that families may have suitable living environment. Topics include selection of suitable house; the selection and care of home furnishings. One hour and one laboratory. Two hours' credit.

315. Family Relations. A study of modern family life giving special emphasis to the activities of the home as they relate to the development of the family and its individual members. Prerequisite: Three hours psychology or sociology or child development. Three hours' credit.

ams, James R. ..... Mayfield, Kentucky
kins, Diana Lou ..... Newbern, Tennessee
xander, Diana ..... Millington, Tennessee
xander, Marilyn Sue ..... Trenton, Tennessee
en, Arthur Wayne ..... Jackson, Tennessee
en, John Harold ..... Pinson, Tennessee
en, Nell King ..... Jackson, Tennessee
ɔridge, Mary Ann ..... Memphis, Tennessee
ker, Donna Jean ..... S. Pittsburg, Tennessee
ker, Janet Lynne ..... Poplar Bluff, Missouri
ll, Willie Edd ..... Alamo, Tennessee
rber, Betty Jane ..... Jackson, Tennessee
rger, Nancy Carol ..... Huntingdon, Tennessee
rker, Jerry Hubert ..... Jackson, Tennessee
rnette, Charles Robert ..... Jackson, Tennessee
rrett, Robert Tillmon ..... Medina, Tennessee
teman, Robert J. ..... Memphis, Tennessee
ardsley, Charles L. ..... Jackson, Tennessee
nson, Barbara Ann ..... Union City, Tennessee
ggers, William G. ..... Bolivar, Tennessee
ggs, Terry Tee ..... Millington, Tennessee
ggerstaff, Thos. W. ..... McLeansboro, Illinois
ɔnd, James Allen ..... Deering, Missouri
ɔndurant, Mary Idella ..... Fulton, Kentucky
ɔuchillon, John Danny ..... Memphis, Tennessee
ɔwen, Charlotte Ann ..... Memphis, Tennessee
ɔyd, Thomas Frank ..... Jackson, Tennessee
razzel, Pamala Carol ..... Sardis, Tennessee
ridgewater, Betty Anne ..... Brownsville, Tennessee
rooks, Ola Frances ..... Bemis, Tennessee
ampbell, Martha ..... Camden, Tennessee
epparuho, Joseph Harold ..... Ripley, Tennessee
leek, Ray Franklin ..... Union City, Tennessee
obb, Milton Roger ..... Bells, Tennessee
ochran, Barry Eldon ..... Memphis, Tennessee
oleman, Charlotte Ann ..... Dyersburg, Tennessee
ooper, Donald Ray ..... Jackson, Tennessee
orley, Roy G. ..... Jackson, Tennessee
ouch, Larry Mays ..... Jackson, Tennessee
oulston, Patricia Ann ..... Mason, Tennessee
ovington, Dale Burnette ..... Union City, Tennessee
owart, Clark Hill ..... Jackson, Tennessee
rews, Barney ..... Oakfield, Tennessee
angeau, Charles Merritt ..... Somerville, Tennessee
avidson, Beverly Kay ..... Memphis, Tennessee
avis, James Wilson ..... Friendship, Tennessee
avis, William T., Jr. ..... Halls, Tennessee
enning, Janet L. ..... Nashville, Tennessee
errberry, Betty K. ..... Jackson, Tennessee
eusner, Edwin Earl ..... Lexington, Tennessee
ial, Janice ..... Portageville, Missouri
odson, Oleta Jeanette ..... Hollow Rock, Tennessee
ouglas, Karen Suzanne ..... Murphysboro, Illinois
uck, Jean Dorthy ..... Lexington, Tennessee
vans, Joe Earnest ..... Bruceton, Tennessee
erree, Lyda Kay ..... Jackson, Tennessee
esmire, Sharon Elizabeth ..... Jackson, Tennessee
inley, Robert David ..... Henderson, Tennessee

Finney, Norman Wayne ..... Chaffee, Miss
Fleming, Lucinda (Cindy) ..... Jackson, Tenne
Flynn, John Vernon ..... Illmo, Miss
Fortner, Carlie Neil ..... Memphis, Tenne
Frazier, James (Jim) ..... Brownsville, Tenne
Frye, Gary Allen ..... Medon, Tenne
Frye, Sharon Frances ..... Malesus, Tenne
Funderburk, Walter Blair ..... Chamblee, Geo
Glisson, Ann ..... Dyer, Tenne
Goad, Lynda Forrest ..... Jackson, Tenne
Goff, Wilma Kaye ..... Jackson, Tenne
Gooch, Hugh Mac ..... Huntingdon, Tenne
Good, James Chalmers ..... Memphis, Tenne
Granger, Mickey Gary ..... Bemis, Tenne
Green, Sandra Kay ..... Memphis, Tenne
Greer, Cheryl Ann ..... Camden, Tenne
Greer, John Mars ..... Poplar Bluff, Miss
Ham, John Paul ..... Illmo, Miss
Hammons, Alma Jean ..... Bolivar, Tenne
Hane, Kenneth Eugene ..... Olney, Illi
Hargis, Brenda Gail ..... Jackson, Tenne
Harrell, Helen Laurel ..... Halls, Tenne
Harris, Caroline Joan ..... Jackson, Tenne
Harvey, James Douglas ..... Whiteville, Tenne
Hatch, Dianne Latham ..... Bemis, Tenne
Harley, John Leslie ..... Fayetteville, North Caroli
Hawks, Martha Jane ..... Humboldt, Tenne
Helms, John William ..... Jackson, Tenne
Henry, William Allen ..... Sugar Tree, Tenne
Hickerson, Charles B., Jr. ..... Jackson, Tenne
Holmes, Angela Kay ..... Jackson, Tenne
Holt, John Mitchell ..... Jackson, Tenne
Hoskins, Gary Nathan ..... Jackson, Tenne
Houston, Mary Anna ..... Obion, Tenne
Hudson, Bernard Fay ..... Memphis, Tenne
Hunderup, Herman A., III ..... Millington, Tenne
Irwin, Bobbie Lee ..... Memphis, Tenne
Isbell, Cary Penick ..... Hickman, Kentuc
Jackson, Sharon Ann ..... Sikeston, Misso
Jackson, Vera Pearl ..... Humboldt, Tennes
Jacobs, Marjorie Dianne ..... Jackson, Tennes
Jeffress, Stanley Mark ..... Fulton, Kentuc
Jelks, Robert Moore ..... Paris, Tennes
Jennings, John Christopher ..... Jackson, Tennes
Jernigan, Linda Carol ..... Middleton, Tennes
Johnsey, Evelyn Carol ..... Jackson, Tennes
Johnston, Harold ..... Winter Park, Flori
Jones, Peggy Leora ..... Jackson, Tennes
Jones, Rebecca L. ..... Jackson, Tennes
Jones, Sandra Kay ..... Cedar Grove, Tennes
Jordan, Sandra Kay ..... Williston, Tennes
Kee, Robert Carl ..... Humboldt, Tennes
Keller, Alma Jean ..... Whiteville, Tennes
Kelley, Dorothy Gail ..... Somerville, Tennes
Kemp, Carl Kemp ..... Buchanan, Tennes
King, Gary Curtis ..... Medon, Tennes
Kimzey, Hamilton ..... Jackson, Tennes
King, Billy Joe ..... Denmark, Tennes
King, George Leon ..... Rutherford, Tennes
Kriske, Virginia Gale ..... Memphis, Tennes
Lambert, Jackie Charles ..... Rolling Fork, Mississipp

ımbert, Sue Ann ..... Dyersburg, Tennessee
ındstreet, Herbert ..... Memphis, Tennessee
ıng, Robert Paul ..... Charlottesville, Virginia
ınier, Beverly Anne ..... Jackson, Tennessee
ınsdale, Geoggrey ..... Maitland, Florida
ıtham, Tommye Paul ..... Jackson, Tennessee
ıvenue, Lynn Carol ..... Jackson, Tennessee
ɔhnson, Glenn Lee ..... Jackson, Tennessee
eggett, Richard Wayne ..... Gadsden, Tennessee
ewis, Geneva Mae ..... Lexington, Tennessee
ewis, Henry Thomas ..... Humboldt, Tennessee
ovelace, Phil L. ..... Brownsville, Tennessee
uther, Billy Glynn ..... Bemis, Tennessee
IcClain, Lana Kaye ..... Union City, Tennessee
IcGuire, Katherine Dale ..... Memphis, Tennessee
IcLean, Barry K. ..... Alamo, Tennessee
IcLemore, Sammy T. ..... Humboldt, Tennessee
IcNatt, Marelle Latham ..... Jackson, Tennessee
Iadison, Thomas Reed, Jr. ..... Paducah, Kentucky
Iashburn, Robert Gracey ..... Millington, Tennessee
Iason, Paul H. ..... Jackson, Tennessee
Iatlock, Sherry Illa ..... Pinson, Tennessee
Iealer, Fairlyon E. ..... Humboldt, Tennessee
Ieals, John D. ..... Gibson, Tennessee
Ietts, Mary Ann ..... Jackson, Tennessee
Iills, Alice Jane ..... Milan, Tennessee
Ioore, Clyde Monroe ..... Finger, Tennessee
Iorrison, Frances Deane ..... Chattanooga, Tennessee
Ioser, R. Gary ..... Union City, Tennessee
Iullins, Sandra Sue ..... Jackson, Tennessee
Iurphy, Milton G. ..... Covington, Tennessee
Nelson, Carolyn Louise ..... Milan, Tennessee
Newman, Brenda Gail ..... Oakfield, Tennessee
Nichol, David Blair ..... Memphis, Tennessee
Norvell, Cherry Jo ..... Kenton, Tennessee
Parish, Levi Audrain ..... Bruceton, Tennessee
Patton, Patricia Elien ..... Lexington, Tennessee
Pearce, Mary Kay ..... Jackson, Tennessee
Peddy, Elizabeth Ann ..... Memphis, Tennessee
Pettigrew, Charles Pandy ..... Jackson, Tennessee
Prather, Alton Wayne ..... Humboldt, Tennessee
Pratt, Lewis Wayne ..... Parsons, Tennessee
Prince, Jane ..... Luray, Tennessee
Prince, John N. ..... Pulaski, Tennessee
Privette, Patricia Louise ..... Bells, Tennessee
Ramsey, Hugh Arthur ..... Jackson, Tennessee
Ray, Mary Esther ..... San Francisco, California
Reeves, Durinda Gail ..... Lexington, Tennessee
Reid, Donald Ray ..... Mayfield, Kentucky
Reid, Linda Ann ..... Bells, Tennessee
Reinschmidt, George Edward ..... Louisville, Kentucky
Rice, Tommy Griffin ..... Maury City, Tennessee
Richardson, Nancy Anita ..... Burlison, Tennessee
Riggs, Linda Louise ..... Finley, Tennessee
Roane, Eleanor Jane ..... Medon, Tennessee
Robertson, Betty Kay ..... Jackson, Tennessee
Robinson, Margaret Frances ..... Union City, Tennessee
Robyn, Susan Jo ..... Humboldt, Tennessee
Rodewald, Richard Lee ..... Sedalia, Missouri
Ross, Eddie Taylor ..... Dresden, Tennessee
Russell, Floyd Kirby ..... Jackson, Tennessee

Schroeder, Emily Jane ..... Anna, Illin
Seeley, J. Robert ..... Chattanooga, Tenness
Sharp, Tommy Joe ..... McKenzie, Tenness
Shifflett, Marion Elizabeth ..... Jackson, Tenness
Sides, Jean ..... Moscow, Tenness
Slate, Robert Herbert ..... Memphis, Tenness
Smith, Billy Glen ..... Oxford, Mississip
Smith, Charles Mike ..... Dyersburg, Tenness
Smith, David Glenn ..... Medon, Tenness
Smith, Don L. ..... Cedar Hill, Tenness
Smith, John Howard ..... Jackson, Tenness
Smith, John Raliegh ..... Jackson, Tenness
Smith, Patsy J. ..... Newbern, Tenness
Smith, Roberta Lee ..... Bolivar, Tenness
Snider, Gene A. ..... Gorham, Illino
Stallings, Jerry Alexander ..... Milan, Tennesse
Steed, Sandra ..... Henderson, Tennesse
Stephenson, Karen Sue ..... Sikeston, Missou
Stewart, Gail Deane ..... Athens, Tennesse
Stoner, Joyce Joanne ..... Memphis, Tennesse
Stripling, James Victor ..... Jackson, Tennesse
Stroud, Carolyn ..... Memphis, Tennesse
Stuart, John Edward ..... Whiteville, Tennesse
Stutzman, Jack G. ..... Jackson, Tennesse
Sullivan, Brenda Sue ..... Lexington, Tennesse
Surratt, Robert Parker, Jr. ..... Jackson, Tennesse
Taylor, Charles Paris ..... Jackson, Tennesse
Thomas, James Robert ..... Jackson, Tennesse
Thomas, Robert Harlan ..... Alamo, Tennesse
Thompson, Karen Sue ..... Lilbourn, Missour
Thompson, Sharon D. ..... Jackson, Tennesse
Thorne, Viola Kay ..... Bruceton, Tennesse
Todd, Howard Wesley ..... Friendship, Tennesse
Treece, K. Darwin ..... Selmer, Tennesse
Tullos, Josephine ..... Memphis, Tennesse
Wadlington, Robert Gerald ..... Scott City, Missour
Ward, Dennis Edwin ..... Finger, Tennesse
Weaver, Jerry H. ..... Paragould, Arkansas
White, Susan Morrison ..... Jackson, Tennesse
White, William Jennings ..... Ripley, Tennesse
Williams, Betty Carol ..... Bells, Tennesse
Williams, Elizabeth Pearl ..... Brownsville, Tennesse
Willis, Thomas Lester ..... Rutherford, Tennesse
Wilson, James Edwin, Jr. ..... Mayfield, Kentucky
Wilson, Walter Clay ..... Brownsville, Tennesse
Wondel, Melvern Neal ..... Chaffee, Missouri
Wood, Dennis Wayne ..... Jackson, Tennesse
Wood, George Ronald ..... Bruceton, Tennesse
Woodall, Frederick E. ..... Memphis, Tennesse
Woodward, Stephen Lynn ..... Metropolis, Illinois
Wray, Sarah L. ..... Jackson, Tennesse
Wren, Lois Elizabeth ..... Jackson, Tennesse
Young, James Henry ..... Crystal Springs, Mississippi
Yu, Eul Young ..... Seoul, Korea

Sophomore Class 1963-64

Alvey, Larry ..... Lemont, Illinois
Anderson, Mary Gayle ..... Decatur, Georgia
Anthony, Cecil E. ..... Kennett, Missouri

mstrong, Ronnie G. ..... Jackson, Tennessee
hmore, Ruby Carol ..... Pontotoc, Mississippi
lin, Gary R. ..... Memphis, Tennessee
ldauff, Kenneth ..... Jackson, Tennessee
ll, Kerry E. ..... Tiptonville, Tennessee
ker, James A. ..... Amory, Mississippi
rham, James Thomas ..... Jackson, Tennessee
rr, Freddie V. ..... Medina, Tennessee
rrett, Carrol Ann ..... Medina, Tennessee
ss, Leon W. ..... Selmer, Tennessee
cton, Danny R. ..... Dyer, Tennessee
nd, William M. ..... Chaffee, Missouri
one, Annie Frances ..... Jackson, Tennessee
ren, Donald L. ..... Jackson, Tennessee
eeden, Ann ..... Bolivar, Tennessee
utler, Billy S. ..... Jackson, Tennessee
utler, Lelia C. ..... Humboldt, Tennessee
ampbell, Cheryl L. ..... Dyersburg, Tennessee
armack, Carolyn A. ..... Memphis, Tennessee
arr, Mary Judith ..... Bells, Tennessee
ash, Alma Louise ..... Jackson, Tennessee
hambliss, Robert E. ..... Jackson, Tennessee
hildress, Linda L. ..... Memphis, Tennessee
hilds, Dorothy J. ..... Ramer, Tennessee
layton, Dorothy R. ..... Jackson, Tennessee
ole, James D. ..... Jackson, Tennessee
ollins, Charles ..... Jackson, Tennessee
opeland, William E. ..... Crockett Mills, Tennessee
otton, Jerry E. ..... Harrisburg, Illinois
rocker, Beverly ..... Somerville, Tennessee
ulbreath, Laurence E. ..... Memphis, Tennessee
arby, Larry E. ..... Milan, Tennessee
avid, Reba G. ..... Jackson, Tennessee
ixon, Mary Jo ..... Tiptonville, Tennessee
orris, Bruce E. ..... Jackson, Tennessee
ugger, David L. ..... Jackson, Tennessee
unn, Nancy H. ..... Springfield, Missouri
yer, Mary Joan ..... Newbern, Tennessee
llis, Rebecca L. ..... Humboldt, Tennessee
lston, Woodrow E. ..... Jackson, Tennessee
pperson, Phillip D. ..... Garden Grove, California
rvin, Loughenia M. ..... Memphis, Tennessee
rvin, Ronald H. ..... Memphis, Tennessee
agerberg, Seigfred W. ..... Brocton, New York
airley, Alex M. ..... Mayfield, Kentucky
arris, Barbara Lyn ..... Sikeston, Missouri
orrest, Judy Ann ..... Jackson, Tennessee
oster, Len E. ..... Gleason, Tennessee
oust, Jerry L. ..... Jackson, Tennessee
ox, Nancy Louise ..... Jackson, Tennessee
rey, Virginia Ann ..... Nashville, Tennessee
Gardner, Karen J. ..... Steele, Missouri
Garner, Barbara J. ..... Newbern, Tennessee
Geveden, M. Jean ..... Wickliffe, Kentucky
Gooch, Cherryl L. ..... Selmer, Tennessee
Graham, Lloyd ..... Campbellsville, Kentucky
Graham, Sallie L. ..... Drew, Mississippi
Green, Harvette R. ..... Jackson, Tennessee
Haley, Connie J. ..... Union City, Tennessee
Hamilton, Frank D. ..... Russellville, Alabama
Hammill, Mildred A. ..... Jackson, Tennessee

Hartley, Raymond C. ..... Jackson, Tennessee
Hastings, Glenda J. ..... Martin, Tennessee
Hathcock, Robbie E. ..... Brownsville, Tennessee
Henley, John David ..... Bethel Springs, Tennessee
Hilliard, Baylon ..... Somerville, Tennessee
Hollowell, Jan E. ..... Trenton, Tennessee
Holt, Linda F. ..... Selmer, Tennessee
Hornsby, William F. ..... Pinson, Tennessee
House, Kay ..... Newbern, Tennessee
Hudson, Connie ..... Jackson, Tennessee
Hurley, Peggy J. ..... Nashville, Tennessee
Hutcherson, Dianne ..... Ripley, Tennessee
Hutton, Guinndelon Kaye ..... Jackson, Tennessee
Inabnit, Merl E. ..... Jackson, Tennessee
Ishee, Charles E. ..... Collierville, Tennessee
Jaggars, Ronald ..... Ramer, Tennessee
Jernigan, Carolyn J. ..... Hornsby, Tennessee
Jones, Mary Dale ..... Portageville, Missouri
Keckler, Charles R. ..... Croydan, Pennsylvania
Kee, Jimmy R. ..... Lexington, Tennessee
Keesee, Betty A. ..... Illmo, Missouri
King, Marie E. ..... Memphis, Tennessee
King, Nelda Jean ..... Hollow Rock, Tennessee
King, Wanda J. ..... Dyer, Tennessee
Lamport, Joanne ..... Jackson, Tennessee
Lawrence, Carol N. ..... Jackson, Tennessee
Lawrence, Ruth P. ..... Bruceton, Tennessee
Layman, Joe S. ..... Jackson, Tennessee
Ledbetter, Anna Sue ..... Dyersburg, Tennessee
Ledsinger, Mary Ann ..... Jackson, Tennessee
Lee, Paul W. ..... Jackson, Tennessee
Lott, Frances J. ..... Henderson, Tennessee
Love, James C. ..... Frostproof, Florida
Lowry, C. C. ..... Rowland, North Carolina
McCoy, G. Jack ..... Jackson, Tennessee
McDivitt, Jerry O. ..... Covington, Tennessee
McDonald, John J. ..... Sarasota, Florida
McGee, William F. ..... Mayfield, Kentucky
McMillin, Buddy R. ..... Huntingdon, Tennessee
Maloy, James P. ..... Memphis, Tennessee
Manion, Alice F. ..... Vandalia, Illinois
Matthews, Brenda Kay ..... Jackson, Tennessee
Maxwell, Judy C. ..... Dyer, Tennessee
Mayhew, Diane D. ..... Union City, Tennessee
Melton, Walter H. ..... Eva, Tennessee
Michie, G. Robert ..... Jackson, Tennessee
Miller, Ronnie R. ..... Memphis, Tennessee
Milligan, Larry D. ..... Humboldt, Tennessee
Montgomery, Melba J. ..... Somerville, Tennessee
Moore, Dolores J. ..... Jackson, Tennessee
Moser, Malcolm W. ..... Milan, Tennessee
Moss, Jerry A. ..... Humboldt, Tennessee
Myracle, Alice F. ..... Memphis, Tennessee
Myracle, Richard N. ..... Lexington, Tennessee
Myracle, Sandra ..... Memphis, Tennessee
Neisler, Ronnie M. ..... Alamo, Tennessee
Nunnery, Sarah L. ..... Malesus, Tennessee
O'Keane, Jim R. ..... Lockport, Illinois
Palmer, Isaac J. ..... Dyersburg, Tennessee
Park, James A. ..... Jackson, Tennessee
Parramore, Henry ..... Pensacola, Florida

e, Jimmie M. ..... Jackson, Tennessee
erson, Patsy C. ..... Montezuma, Tennessee
rce, Billy Wayne ..... Memphis, Tennessee
ram, John Thomas ..... Jackson, Tennessee
lips, Henry C. ..... Waynesboro, Tennessee
lips, Nancy Cornelia ..... Lexington, Tennessee
, Sue H. ..... Jackson, Tennessee
er, David P. ..... Union City, Tennessee
ell, Dolores J. ..... Dyersburg, Tennessee
sley, Virgil M. ..... Trezevant, Tennessee
e, Jesse M. ..... Somerville, Tennessee
ett, Emily T. ..... Jackson, Tennessee
ette, Linda E. ..... Malesus, Tennessee
ney, Harry H. ..... Jackson, Tennessee
ce, James Stevan ..... Medina, Tennessee
d, Doris Anne ..... Camden, Tennessee
d, Ronald E. ..... Mayfield, Kentucky
hey, W. Jeff ..... Stonefort, Illinois
kman, Brenda F. ..... Dyer, Tennessee
ley, William A. ..... Jackson, Tennessee
bbins, Billy G. ..... Humboldt, Tennessee
berts, Mary K. ..... Jackson, Tennessee
llins, Katherine ..... Medina, Tennessee
wland, Betty J. ..... Henderson, Tennessee
ller, Carol Ann ..... Jackson, Tennessee
dder, Nancie J. ..... Union City, Tennessee
errod, David E. ..... Bells, Tennessee
reve, Gloria P. ..... Memphis, Tennessee
ver, Paul M. ..... Memphis, Tennessee
yder, Elizabeth Anne ..... Kenton, Tennessee
itzer, Sandra Kay ..... Jackson, Tennessee
ragg, Clarence Donald ..... Alpena, Michigan
eet, Robert Anderson ..... Memphis, Tennessee
kes, Eleanor Jean ..... Sanford, Florida
ylor, James Walker ..... Bells, Tennessee
iorne, Ruth Anne ..... Bruceton, Tennessee
pton, James P. ..... Hernando, Mississippi
water, Glen Harold ..... Milan, Tennessee
ader, Gharon Lee ..... Trenton, Tennessee
eece, Gary Herman ..... Selmer, Tennessee
ibbs, Janet ..... Dyersburg, Tennessee
pton, Ronald Dean ..... Inkster, Michigan
arnell, Joseph B. ..... Jackson, Tennessee
alker, Lawrence D. ..... Dyersburg, Tennessee
alker, Marilyn ..... Wildersville, Tennessee
alker, Mike ..... Dyersburg, Tennessee
allace, Sherry K. ..... Chesterfield, Tennessee
elch, Ruben G. ..... Bemis, Tennessee
haley, William R. ..... Middleton, Tennessee
hite, James Pat ..... Medina, Tennessee
hite, Sharon A. ..... Lexington, Tennessee
illiams, Richard Larry ..... Bemis, Tennessee
ilson, Thomas Robert ..... Jackson, Tennessee
infield, Mary Louise ..... Memphis, Tennessee
oods, William Floyd ..... Sikeston, Missouri
ooten, Dwight H. ..... Ajo, Arizona
right, Everette Wayne ..... Brighton, Tennessee
right, Mary Louise ..... Camden, Tennessee
right, Paul T. ..... Jackson, Tennessee
oung, Dan Robinson ..... Crowley, Louisiana
oung, Wendell Lee ..... Jackson, Tennessee

Junior Class 1963-64

Anderson, Elizabeth Jane ..... Gillespie, Illir
Azbill, Brenda Joyce ..... Pinson, Tennes
Ashmore, Eddie Melvin ..... Plant City, Flor
Austin, Jimmy Harrell ..... Maury City, Tennes
Baker, Annette Lavonne ..... S. Pittsburg, Tennes
Baker, Ronald Ernest ..... Poplar Bluff, Misso
Baker, Sarah Estalee ..... Parsons, Tennes
Bates, Wayne L. ..... Jackson, Tennes
Beasenburg, Barbara D. ..... Jackson, Tennes
Bennett, Linda Lou ..... Jackson, Tennes
Blankenship, Mary Ann ..... Bruceton, Tennes
Bobbitt, Joe Richard ..... Jackson, Tennes
Booth, Thomas Ray ..... Jackson, Tennes
Boston, Ned P. ..... Memphis, Tennes
Boyd, Virginia D. ..... Jackson, Tennes
Butler, Johnathan C. ..... Jackson, Tennes
Butler, Suzanne ..... Memphis, Tennes
Calhoun, Eanda Lee ..... Memphis, Tennes
Capra, Bob G. ..... Lebanon, Tennes
Chan, David Kai-Ho ..... Hong Kong, Chi
Churchill, Joe M. ..... Caruthersville, Missou
Clay, David Eugene ..... Humboldt, Tenness
Clay, Thomas Lee ..... Humboldt, Tenness
Cole, Sarah Barbara ..... Jackson, Tenness
Coleman, Carolyn Jo ..... Obion, Tenness
Coley, Carolyn Faye ..... Jackson, Tenness
Cook, William Rollin ..... Caruthersville, Missou
Cowan, Nancy Gordon ..... Collierville, Tennes
Cox, Sherman Michael ..... Tupelo, Mississip
Crockett, Judith Ann ..... Big Sandy, Tennes
Crossett, Jerry Mullins ..... Trezevant, Tennes
Crouch, Eva Marie ..... Jackson, Tennes
Curry, Carol S. ..... Jackson, Tennes
Dame, Philip Ray ..... Chaffee, Missou
Daniel, C. Wayne ..... Jackson, Tennes
Essary, Mary Judith ..... Corinth, Mississip
Fagan, Doyle Harris ..... Union City, Tennes
Fuller, Emily Scott ..... Memphis, Tennes
Fuson, Ted William ..... Harrisburg, Illino
Garland, Donald Eugene ..... Dyersburg, Tennes
Garner, William Harold ..... Newbern, Tennes
Giles, Tommy Eugene ..... Jackson, Tennes
Golmon, Robert Truett ..... Kreole, Mississip
Greene, Jo Ann ..... Jackson, Tennes
Griffin, Marietta ..... Halls, Tennes
Gross, Franklin ..... Jackson, Kentuck
Hale, Lillian Carrol ..... Jackson, Tennes
Hall, F. Henry ..... Medon, Tennes
Hammonds, Joe Harold ..... Jackson, Tennes
Hardeman, Donna ..... Henderson, Tennes
Harp, Barbara Sue ..... White Hall, Illinoi
Harris, Nick Charles ..... Bolivar, Tennes
Harrison, Earl McDonald ..... Memphis, Tennes
Hays, Ida Mae ..... West Plains, Missour
Highfill, Dorothy Ann ..... Nashville, Tennes
Holland, Donald Wayne ..... Bethel Springs, Tennes
Holley, Betty Ann ..... Huntington, West Virgini
Hollingshead, Robert T. ..... Brownsville, Tennes
Hopper, James Timothy ..... Jackson, Tennes

rn, Brenda Joyce ..... Huntingdon, Tennessee
stler, Harold Keith ..... Lake Alfred, Florida
uston, Sandra J. ..... Obion, Tennessee
uston, Ted H. ..... Hornsby, Tennessee
ssey, Bob E. ..... Dyersburg, Tennessee
nan, Margaret A. ..... Jackson, Tennessee
nan, Rudolph G. ..... Jackson, Tennessee
nson, Agnes Eugenia ..... Moscow, Tennessee
es, James Bryant ..... Jackson, Tennessee
es, Lynn ..... Dyer, Tennessee
es, T. Morris ..... Martin, Tennessee
ns, Sylvia Ann ..... Jackson, Tennessee
mper, Harold Franklin ..... Pinson, Tennessee
zer, Edward Anthony ..... Jackson, Tennessee
ight, Phoebe Bell ..... Henderson, Tennessee
ipper, Adrain Benton ..... Jackson, Tennessee
ykendall, Albert Jerry ..... Jackson, Tennessee
ggett, Don Brice ..... Jackson, Tennessee
ttle, Robert Stanley ..... Sardis, Tennessee
tt, Johnny Warren ..... Leapwood, Tennessee
cBride, Shirley Ann ..... Henry, Tennessee
cDonald, Linda Sue ..... Huntingdon, Tennessee
cIntosh, Linda Joyce ..... Newbern, Tennessee
cNeer, Gloria Jeanne ..... Memphis, Tennessee
cPeake, Robbie J. ..... Lexington, Tennessee
allard, Brint ..... Milan, Tennessee
asarone, Shirley Ann ..... Henderson, Tennessee
atthews, Dorothy Ann ..... Brownsville, Tennessee
ayo, Vicky Sue ..... Bemis, Tennessee
edlock, Joyce Ann ..... Paris, Tennessee
ehr, Jo Evelyn ..... Bells, Tennessee
etts, Brooks Conrad ..... Jackson, Tennessee
ick, Jack Dalton ..... Maury City, Tennessee
oore, James H. ..... Jackson, Tennessee
oore, Raybon E. ..... Finger, Tennessee
organ, Sandra Lee ..... Jackson, Tennessee
yers, John David ..... Evansville, Indiana
ation, Herbert Franklin ..... Jackson, Tennessee
elson, Velma Faye ..... Bells, Tennessee
ewton, Edward Taylor ..... Madison, Georgia
rr, Robert Len ..... Dyersburg, Tennessee
wens, Samuel ..... Jackson, Tennessee
age, LaDonna Louise ..... Trenton, Tennessee
atterson, Linda Joyce ..... Bells, Tennessee
etkus, Janetta ..... Worcester, Massachusetts
flasterer, David Charles ..... Marion, Illinois
hillips, Nelda Kaye ..... Dyersburg, Tennessee
itchford, Charles E. ..... Jackson, Tennessee
itt, Peggy Joyce ..... Jackson, Tennessee
itt, Phillip Ronald ..... Jackson, Tennessee
ope, Shirley Ann ..... Trimble, Tennessee
rice, Rita Ann ..... Adamsville, Tennessee
rovince, Charles E. ..... Jackson, Tennessee
ruett, Joe Paul ..... Jackson, Tennessee
agland, David Kenneth ..... Milan, Tennessee
edden, Cherry Ann ..... Huntingdon, Tennessee
ednour, Robert Charles ..... Wayne, Michigan
eed, Walter Lockard ..... Jackson, Tennessee
ichard, Maidel English ..... Ramer, Tennessee
ichardson, Barbara J. ..... Burlison, Tennessee
iggs, Wilky Leon ..... Caruthersville, Missouri

Riherd, Jiles Edwin ..... Paris, Tennes
Roberson, Mary Jayne ..... Sikeston, Misso
Rodriguez, Carlos E. ..... Jackson, Tenne
Rose, Bobby Wayne ..... Bradford, Tenne
Rolland, David Sims ..... Memphis, Tenne
Russell, Melinda Ruth ..... Jackson, Tenne
Schaefer, Glen Wayne ..... Jackson, Tenne
Seward, Charles Maitland ..... Jackson, Tenne
Shambaugh, Gloria Ellen ..... Noel, Misso
Sheppard, Norman Eugene ..... Sikeston, Misso
Sikes, James Gilbert ..... Jackson, Tenne
Smith, Shelton Leo ..... Decaturville, Tenne
Smith, Sydney Lynn ..... Jackson, Tenne
Smothers, Eulene ..... Jackson, Tenne
Stallings, Martha Lynne ..... Halls, Tenne
Stanford, Arvie Browning ..... Jackson, Tenne
Steed, David Lewis ..... Jackson, Tenne
Stewart, Virgil Pat ..... Athens, Tenne
Tapp, Tommy Von ..... Ripley, Mississip
Tarpley, Christa R. ..... Jackson, Tenne
Taylor, Linda Sullivan ..... Bells, Tenne
Thomas, Vera Mae ..... Brownsville, Tenne
Thompson, Donna Lynne ..... Lilbourn, Missou
Tisdale, May Louise ..... Jackson, Tenne
Twilla, Sandra Elaine ..... Dyersburg, Tenne
Upchurch, Nancy Ann ..... Buchanan, Tenne
Vaughan, Sara Ellen ..... Dresden, Tenne
Walker, David E. ..... Chesterfield, Tenne
Waller, Donald Glynn ..... Spring Creek, Tenne
Watridge, Sam Joe ..... Humboldt, Tenne
Weatherford, Beverly Carol ..... Decaturville, Tenne
Weaver, Nina Faye ..... Henderson, Tenne
Weichand, Roy Douglas ..... Maywood, New Jer
West, Ben ..... Jackson, Tenne
Whitlow, Judith Ann ..... Whiteville, Tenne
Wiggins, Bobby Wallace ..... Jackson, Tenne
Williams, Elizabeth Sally Anne ..... Lawton, Oklahom
Willis, Jerry W. ..... Pocahontas, Tenne
Wolfe, Rebecca Jean ..... Selmer, Tenne
Wood, Bonnie Lou ..... Jackson, Tenne
Wray, Nancy ..... Jackson, Tenne
Wright, Joseph Allen ..... Shawneetown, Illino
Yancy, Philip W. ..... Humboldt, Tenne
Yates, Mary Beth ..... Bartlett, Tenne

Senior Class 1963-64

Arquitt, G. Edward ..... Sedalia, Missour
Babb, E. Anne ..... Jackson, Tenne
Barham, Evelyn Nadine ..... Nashville, Tenne
Bennett, J. Carolyn ..... Corinth, Mississip
Blackstock, David L. ..... Jackson, Tenne
Boone, Linda (Mrs.) ..... Trenton, Tenne
Boucher, M. Edwana ..... Dyer, Tenne
Brewer, Preston E. ..... Jackson, Tenne
Buford, James T. ..... Jackson, Tenne
Burch, Evalynn ..... Memphis, Tenne
Campbell, Mary ..... Camden, Tenne
Clayton, Carolyn Ann ..... Bethel Springs, Tenne
Clemmer, Hildagarde Reeves ..... Milan, Tenne

bb, Danny W. ..... Bells, Tennessee
unce, Jerry Mack ..... Henderson, Tennessee
vington, James R. ..... Jackson, Tennessee
owell, Gary A. ..... Jackson, Tennessee
lton, R. Dewitt ..... Oakfield, Tennessee
vidson, Joan E. ..... Memphis, Tennessee
priest, Brenda A. ..... Jackson, Tennessee
skins, Charles G. ..... Jackson, Tennessee
smuke, Kinnie A. ..... Jackson, Tennessee
uglas, Donnel Dale ..... Trezevant, Tennessee
lwards, Royce Deryl ..... Fredericktown, Missouri
lis, William ..... Jackson, Tennessee
noch, J. Dale ..... Bolivar, Tennessee
sher, Paul M. ..... Bemis, Tennessee
arrison, Donald Ray ..... Jackson, Tennessee
entry, Charles Otis ..... Hodgenville, Kentucky
ilbert, Barbara S. ..... Marion, Kentucky
ilbert, Martha L. ..... Lexington, Tennessee
ood, M. Janice ..... Memphis, Tennessee
ooge, Janeen A. ..... Jackson, Tennessee
reen, Herman, Jr. ..... Jackson, Tennessee
uthrie, Floyd (Sam) ..... Memphis, Tennessee
ale, Mary N. ..... Jackson, Tennessee
arvell, Calvin T. ..... Trenton, Tennessee
awkins, Thomas K. ..... Jackson, Tennessee
aynie, Becky Maness ..... Jackson, Tennessee
aywood, Robert E. ..... Stanton, Tennessee
ighsmith, C. Antoinette ..... Collierville, Tennessee
ill, Jimmy G. ..... Providence, Kentucky
ouston, Beverlyn ..... Hornsby, Tennessee
oward, Winston ..... Mayfield, Kentucky
udgens, Ann Young ..... Jackson, Tennessee
utcherson, Anita B. ..... Ripley, Tennessee
enkins, Larry Lee ..... Jackson, Tennessee
ones, Jimmy Miller ..... Union City, Tennessee
ee, Hilda Faye ..... Humboldt, Tennessee
och, Lynn Miller ..... Metropolis, Illinois
och, Warren E. ..... Metropolis, Illinois
ackie, Sue Todd ..... Jackson, Tennessee
angley, Shannon H. ..... Jackson, Tennessee
aughlin, Mary W. ..... Jackson, Tennessee
awrence, Molly ..... Jackson, Tennessee
egrand, Larry Ray ..... Nashville, Tennessee
McCaleb, Joe Wallace ..... Jackson, Tennessee
McDaniel, Hazel G. ..... Jackson, Tennessee
Martindale, Linda ..... Barlow, Kentucky
Massa, Greta D. ..... Savannah, Tennessee
Melson, Jerry Lee ..... Bradford, Tennessee
Melvin, David Boyd ..... Jackson, Tennessee
Moody, John C. ..... Henderson, Tennessee
Newman, Julia Ann ..... Jackson, Tennessee
Newell, Robert William ..... Puryear, Tennessee
Paschall, Larry L. ..... Jackson, Tennessee
Peters, Jerry Thomas ..... Trenton, Tennessee
Phelan, Patricia ..... Holland, Missouri
Potts, Judy Ann ..... Jackson, Tennessee
Powers, Barbara B. ..... Jackson, Tennessee
Powers, William ..... Jackson, Tennessee
Pruitt, Vaughan M. ..... Ripley, Tennessee
Queen, Glenda J. ..... Metropolis, Illinois
Quint, Robert R. ..... Metropolis, Illinois

Rainey, Raymona J. ..... Los Gatos, Califor
Rhodes, Sheila Ann ..... Jackson, Tennes
Robertson, Joe L. ..... Humboldt, Tennes
Roote, David ..... Moultrie, Geor
Sasser, Annette ..... Middleton, Tennes
Sasser, Barbara ..... Halls, Tennes
Scates, James H. ..... Jackson, Tennes
Scates, Linda Lee ..... Jackson, Tennes
Scott, Nancy E. ..... Milan, Tennes
Simonton, Beth ..... Memphis, Tennes
Sinks, Frances E. ..... Jackson, Tennes
Smith, Jerald E. ..... Bolivar, Tennes
Smith, Joe F. ..... Jackson, Tennes
Smith, Larry Joe ..... Atwood, Tenness
Smothers, Charles E. ..... Jackson, Tenness
Springer, Martha L. ..... Memphis, Tenness
Talley, Beverly Joan ..... Henderson, Tenness
Taylor, Mack I. ..... Jackson, Tenness
Taylor, Robert C. ..... Jackson, Tenness
Thomas, Ralph U. ..... Jackson, Tenness
Thorne, Alice Jean ..... Bruceton, Tenness
Turner, Herbert Lee ..... Jackson, Tenness
Walton, Charles ..... Caruthersville, Missou
Walton, Kay Karen ..... Vandalia, Illino
Wilson, Bobby Neal ..... Henderson, Tenness
Wilson, Doris Hill ..... Henderson, Tenness
Wilson, Larry J. ..... Jackson, Tenness
Wingo, Yvonne ..... Jackson, Tenness
Winslow, William Ralph ..... Jackson, Tenness
Woods, Harry Wayne ..... Sikeston, Missou
Wright, Kay Louise ..... Jackson, Tenness

GRADUATES 1963

MAY

BACHELOR OF ARTS

Adams, John D. ..... Trenton, Tennesse
Bennett, Carol Flake ..... Jackson, Tennesse
Brown, William Houston ..... Union City, Tennesse
Bullard, James Boyd, Jr. ..... Jackson, Tennesse
Childress, Mary Sandra ..... Memphis, Tennesse
Coggins, Delbert Ronald ..... Memphis, Tennesse
Coley, Flora Jean ..... Jackson, Tennesse
Cooper, Billy Bruce ..... Columbia, Tennesse
Coughlan, Martha Ann ..... Ripley, Tennesse
Daniel, Tully Phillip, Jr. ..... Jackson, Tennesse
Davis, Barbara ..... Jackson, Tennesse
Deaton, Donald R. ..... Jackson, Tennesse
Douglass, James Thomas ..... Brownsville, Tennesse
Durley, Martha Marie ..... Senatobia, Mississipp
Dyer, Frank M., Jr. ..... Memphis, Tennesse
Flowers, Shirley ..... Trenton, Tennesse
Grooms, Fred Eugene ..... Bruceton, Tennesse
Hamlett, Robert Edwin ..... Jackson, Tennesse
Hanebuth, Katherine Drake ..... Jackson, Tennesse
Haney, Linda Sue ..... Kingsport, Tennesse
Harrell, Thomas L., Jr. ..... Decaturville, Tennesse
Hart, Barbara Dunlap ..... Trimble, Tennesse
Helton, Gary Robert ..... Michie, Tennesse

olt, Rebecca Ruth ..... Parsons, Tennessee
omsley, Bonnie Sue ..... Jackson, Tennessee
ffress, Patricia Ann ..... Fulton, Kentucky
ffress, Philip Wade ..... Fulton, Kentucky
nes, Roy Hubbard ..... Union City, Tennessee
arnazes, Mary Eleanor ..... Halls, Tennessee
vingston, Jack V. ..... Holladay, Tennessee
eador, Judith Ann ..... Jackson, Tennessee
orris, J. Kennith ..... Puryear, Tennessee
erren, Mona Jane ..... Mercer, Tennessee
wens, Marilyn Kay ..... Hickman, Kentucky
arker, Sylvia Carole ..... Goodlettsville, Tennessee
atton, Joan Day ..... Jackson, Tennessee
escott, Delma Jean ..... Friendship, Tennessee
andolph, Julia Strange ..... Alamo, Tennessee
odgers, Wilma Leona ..... Independence, Missouri
ogers, James Martin ..... Chattanooga, Tennessee
owe, Nancy Carolyn ..... Memphis, Tennessee
hufelt, Dennis Wayne ..... Niles, Michigan
isson, Linda LuRue ..... Jackson, Tennessee
tevenson, Mary Jane ..... Memphis, Tennessee
wanner, Joe H. ..... Trenton, Tennessee
wift, Carolyn ..... Scotts Hill, Tennessee
utor, Thomas R. ..... Covington, Tennessee
Vakefield, Richard L. ..... Hartville, Missouri
Valker, Ann Thomas ..... Lavinia, Tennessee
Vard, Nancy Edith ..... Jackson, Tennessee
Vingo, Yvonne M. ..... Martin, Tennessee

BACHELOR OF SCIENCE

lexander, Charles Larry ..... Beech Bluff, Tennessee
ryant, James Allen ..... Jackson, Tennessee
arman, John H. ..... Memphis, Tennessee
hatham, Sarah Elizabeth ..... Humboldt, Tennessee
ollins, Gwendolyn Phillips ..... Dyersburg, Tennessee
rouch, Dorothy Sue ..... Jackson, Tennessee
avis, Donald R. ..... Memphis, Tennessee
ixon, Arthur Ray ..... Brownsville, Tennessee
lrod, Janice Faye ..... Jackson, Tennessee
armer, Faye Ellen ..... West Memphis, Arkansas
urley, Betty Lue ..... Bath Springs, Tennessee
Hart, Jerry Taylor ..... Trimble, Tennessee
Hawkins, Freddie Foster ..... Elizabethtown, Kentucky
Horton, Nancy ..... Mayfield, Kentucky
Jowers, James Edward ..... Dyersburg, Tennessee
Kee, Jimmie Martin ..... Jackson, Tennessee
Laughlin, William White ..... Jackson, Tennessee
Le Grand, Bonnie Bishop ..... Bolivar, Tennessee
Lewis, Dorothy ..... Jackson, Tennessee
Owen, Billy Terrence ..... Pryorsburg, Kentucky
Parks, Martha Newsom ..... Brownsville, Tennessee
Sisson, Joseph William ..... Sikeston, Missouri
Smith, Vernon L. ..... Tiptonville, Tennessee
Tickle, Daniel Glen ..... Dyersburg, Tennessee
Tipton, Nancy McLeary ..... Jackson, Tennessee
Upchurch, David Thomas ..... Buchanan, Tennessee
Vance, Thomas R., Jr. ..... Memphis, Tennessee
Watridge, Syrena Jane ..... Humboldt, Tennessee
West, Alice Faye ..... Humboldt, Tennessee

West, James Morris ..... Jackson, Tennesse
West, Thomas Harrison ..... Milan, Tennesse
Wingo, Charles H. ..... Martin, Tennesse
Wright, James Giley ..... Jackson, Tennesse

BACHELOR OF MUSIC

Allison, James Ray ..... Jackson, Tennesse
Clayton, Robert David ..... Union City, Tennesse
Coughlin, Martha Ann ..... Ripley, Tennesse
Dunn, Gerald Ralph ..... DuQuoin, Illino
Haynie, Jerry Thomas ..... Jackson, Tennesse
Knight, Nelda Joann ..... Jackson, Tennesse
Lyon, Lynda Sharron ..... Jackson, Tennesse
Marston, Charles Edward ..... Jackson, Tennesse
Moore, Brynda Williams ..... Jackson, Tennesse
Tipler, Rebecca Erle ..... Grand Junction, Tennesse
Whitten, John Lewis ..... Jackson, Tennesse
Wilkerson, Frances Alicia ..... Selmer, Tennesse

AUGUST, 1963

BACHELOR OF ARTS

Benton, Joseph Franklin ..... Humboldt, Tennesse
Bullington, Elsie Gean ..... Atwood, Tennesse
Carter, Patricia Gaba ..... Jackson, Tennesse
Combs, James H. ..... Newbern, Tennesse
Gaddy, Curtis Welton ..... Paris, Tennesse
Hock, Lowell Eugene ..... Ripley, Tennesse
Hysmith, Linda Karen ..... Finger, Tennesse
*Jones, William Walter ..... Dyersburg, Tennesse
McDaniel, Sandra Jean ..... Jackson, Tennesse
Neal, Sandra Gayle ..... Jackson, Tennesse
Owens, John Ronald ..... Memphis, Tennesse
*Roaten, Betty Marbury ..... New Orleans, Louisian
Rogers, Linda ..... Luray, Tennesse
Smith, Samuel Joseph, Jr. ..... Jackson, Tennesse
Williams, Paul Edwin ..... Finley, Tennesse

BACHELOR OF SCIENCE

Baskin, Jerry Mack ..... Covington, Tennesse
Crichfield, Wiliam Lynn ..... Halls, Tennesse
Francis, Jere Donald ..... Brownsville, Tennesse
Gibbons, John Rex, Jr. ..... Sercy, Arkansa
*McAfee, Wallace Jefferson ..... Memphis, Tennesse
McDaniel, Charles Kenneth ..... Jackson, Tennesse
McWilliams, Linda June ..... Owensboro, Kentucky
Radford, J. Glynn ..... Dresden, Tennesse
Tolar, James D. ..... Ridgely, Tennesse

BACHELOR OF MUSIC

Childress, Melvin ..... Sharon, Tennesse
*Hiers, Vail S. ..... Vero Beach, Florida
Sartain, Lola June ..... Memphis, Tennesse
Spencer, Mary T. ..... Jackson, Tennesse

*Absentia

Summer School Roster 1963

lexander, Virginia Ann ..... South Fulton, Tennessee
llen, Joyce ..... Jackson, Tennessee
nderson, Mary Gayle ..... Decatur, Georgia
rquitt, George Edward ..... Sedalia, Missouri
very, Joyce Cannon ..... Halls, Tennessee
abb, Ann E. ..... Jackson, Tennessee
all, Willie Edd ..... Alamo, Tennesses
arfield, Margaret E. ..... Jackson, Tennessee
arrow, Joan Kay ..... Milan, Tennessee
askin, Jerry M. ..... Covington, Tennessee
axter, Ellis Marie ..... Jackson, Tennessee
easenburg, Barbara D. ..... Jackson, Tennessee
ennett, Wanda Ann ..... Paris, Tennessee
enson, Barbara Ann ..... Union City, Tennessee
enton, Joseph F. ..... Jackson, Tennessee
ird, Gail N. ..... Lexington, Tennessee
lackstock, David L. ..... Jackson, Tennessee
obbitt, Joe R. ..... Jackson, Tennessee
oone, Annie Frances ..... Jackson, Tennessee
oone, Linda Miles ..... Jackson, Tennessee
oucher, M. Edwana ..... Dyer, Tennessee
oyer, William E. ..... Beech Bluff, Tennessee
rasher, Carolyn S. ..... Jackson, Tennessee
rewer, Bernice R. ..... Savannah, Tennessee
rewer, Lewis W. ..... Dresden, Tennessee
rewer, Preston ..... Metropolis, Illinois
rukhardt, Henry R. ..... Phoenix, Arizona
ullington, Elsie G. ..... Atwood, Tennessee
utler, Jonathan C. ..... Jackson, Tennessee
utler, Suzanne ..... Memphis, Tennessee
arman, Helen Sue ..... Jackson, Tennessee
arter, Patricia G. ..... Jackson, Tennessee
ash, Alma Louise ..... Jackson, Tennessee
hambliss, Robert E. ..... Jackson, Tennessee
hamplin, Nancy K. ..... Medina, Tennessee
hamplin, Robert M. ..... Jackson, Tennessee
hildress, Melvin O. ..... Sharon, Tennessee
layton, Dorothy R. ..... Jackson, Tennessee
limer, Donna Sue ..... Bells, Tennessee
obb, Danny W. ..... Bells, Tennessee
obb, M. Roger ..... Bells, Tennessee
ole, Sarah Barbara ..... Jackson, Tennessee
olwick, Mary Holland ..... Parsons, Tennessee
ombs, James H. ..... Newbern, Tennessee
ounce, Jerry M. ..... Henderson, Tennessee
ox, Carl ..... Jackson, Tennessee
ox, Shelia J. ..... Jackson, Tennessee
richfield, William L. ..... Halls, Tennessee
rouch, Eva Marie ..... Jackson, Tennessee
rowell, Gary A. ..... Jackson, Tennessee
ruce, Cecil T. ..... Milan, Tennessee
ulbreath, Laurence E. ..... Memphis, Tennessee
alton, Patricia ..... Oakfield, Tennessee
alton, Dewitt ..... Oakfield, Tennessee
ame, Philip R. ..... Chaffee, Missouri
avid, Reba G. ..... Jackson, Tennessee
avis, Rhesa ..... Jackson, Tennessee
epriest, Brenda A. ..... Jackson, Tennessee
eskins, Charles G. ..... Jackson, Tennessee

Dismuke, Kinnie A. ..... Jackson, Tenness
Dooley, Elizabeth T. ..... Jackson, Tenness
Dorris, Bruce E. ..... Jackson, Tenness
Duffey, Robert H. ..... Humboldt, Tenness
Dugger, David L. ..... Jackson, Tenness
Edwards, Thomas R. ..... Humboldt, Tenness
Elrod, Janice F. ..... Jackson, Tenness
Emison, Theo James ..... Alamo, Tenness
Englert, Judith J. ..... Jackson, Tenness
Enoch, John Dale ..... Bolivar, Tenness
Ervin, Ronald H. ..... Memphis, Tenness
Essary, Mary Judith ..... Corinth, Mississip
Fagan, Doyle H. ..... Union City, Tennesse
Farris, Barbara Lyn ..... Sikeston, Missou
Fisher, Paul M. ..... Bemis, Tennesse
Forrest, Judy Ann ..... Mercer, Tennesse
Foster, Len E. ..... Gleason, Tennesse
Fox, Nancy L. ..... Jackson, Tennesse
Francis, Jere D. ..... Brownsville, Tennesse
Frye, Gary A. ..... Medon, Tennesse
Gaddy, Curtis Welton ..... Paris, Tennesse
Gann, Fred H. ..... Franklin, Kentuck
Garner, William H. ..... Newbern, Tennesse
Garrison, Donald R. ..... Rutherford, Tennesse
Gibbons, John R. ..... Searcy, Arkansa
Gilbert, Barbara ..... Marion, Kentuck
Golmon, Robert T. ..... Kreole, Mississipp
Guthrie, Floyd E. ..... Memphis, Tennesse
Hale, Lillian C. ..... Jackson, Tennesse
Hale, Mary N. ..... Jackson, Tennesse
Haley, Connie J. ..... Union City, Tennesse
Hamlin, Joyce M. ..... Corinth, Mississipp
Hamm, Barbara J. ..... Humboldt, Tennesse
Hammill, Mildred ..... Jackson, Tennesse
Hart, John Wallace ..... Jackson, Tennesse
Harvell, Calvin T. ..... Trenton, Tennesse
Harvey, Dorothy P. ..... Jackson, Tennesse
Hatch, Dianne L. ..... Bemis, Tennesse
Hawkins, Thomas K. ..... Jackson, Tennesse
Hayes, Floyd C. ..... Humboldt, Tennesse
Henderson, John ..... Brownsville, Tennesse
Henry, William A. ..... Sugar Tree, Tennesse
Hiers, Vail S. ..... Vero Beach, Florid
Hock, Lowell E. ..... Ripley, Tennesse
House, Jerry C. ..... Jackson, Tennesse
Houston, Beverlyn P. ..... Portland, Oregor
Howard, Winston ..... Mayfield, Kentucky
Hutton, Kaye ..... Jackson, Tennesse
Hysmith, L. Karen ..... Finger, Tennesse
Inman, Margaret A. ..... Jackson, Tennesse
Inman, Rudolph G. ..... Jackson, Tennesse
Jacobs, Dianne ..... Jackson, Tennesse
Jenkins, John T. ..... Jackson, Tennesse
Johns, Sylvia A. ..... Jackson, Tennesse
Jones, Mary Dale ..... Portageville, Missouri
Jones, Rebecca L. ..... Jackson, Tennesse
Jones, Wanda Mayo ..... Jackson, Tennesse
Joyner, Betty M. ..... Orlando, Florida
Kimbrell, Victoria D. ..... Medina, Tennesse
King, Marie E. ..... Bells, Tennesse
Knipper, Adrian B. ..... Jackson, Tennesse

Bch, Phyllis L. ..... Metropolis, Illinois
Bch, Warren E. ..... Metropolis, Illinois
Baykendall, A. Jerry ..... Jackson, Tennessee
Bmport, Joanne ..... Jackson, Tennessee
Bngley, Shannon H. ..... Jackson, Tennessee
Baughlin, Mary W. ..... Jackson, Tennessee
Bwrence, Molly B. ..... Jackson, Tennessee
Bwrence, Ruth P. ..... Bruceton, Tennessee
Byman, Joe S. ..... Marshfield, Missouri
Bgrand, Larry R. ..... Poplar Bluff, Missouri
Btt, Frances J. ..... Henderson, Tennessee
BcCaleb, Joe W. ..... Nashville, Tennessee
BcClanahan, Mrs. James ..... Jackson, Tennessee
BcCharen, Mrs. J. D. ..... Jackson, Tennessee
BcDaniel, Charles K. ..... Jackson, Tennessee
BcDaniel, Hazel ..... Jackson, Tennessee
BcDaniel, Sandra J. ..... Jackson, Tennessee
BcDivitt, Jerry O. ..... Covington, Tennessee
BcKenzie, Lougenia ..... Stanton, Tennessee
BcNatt, Marelle L. ..... Jackson, Tennessee
BcWilliams, Linda ..... Owensboro, Kentucky
Baloy, James P. ..... Raleigh, Tennessee
Barby, Judith Ann ..... Savannah, Tennessee
Barston, Roxie T. ..... Jackson, Tennessee
Baxwell, Judy C. ..... Dyer, Tennessee
Bayhew, Diane D. ..... Union City, Tennessee
Bayo, Carolyn ..... Jackson, Tennessee
Bayo, Vicky Sue ..... Bemis, Tennessee
Bichie, Robert ..... Jackson, Tennessee
Boody, John C. ..... Jackson, Tennessee
Boore, Dolores J. ..... Jackson, Tennessee
Bullins, Dorothy K. ..... Dyer, Tennessee
Baylor, Samuel R. ..... Bells, Tennessee
Beal, Sandra G. ..... Jackson, Tennessee
Bewton, Bobby D. ..... Jackson, Tennessee
Borthcott, Sandra D. ..... Jackson, Tennessee
Owens, John Ronald ..... Memphis, Tennessee
Page, La Donna ..... Trenton, Tennessee
Palmer, Isaac Julian ..... Dyersburg, Tennessee
Park, James A. ..... Paducah, Kentucky
Parker, Douglas ..... Humboldt, Tennessee
Parker, Susan M. ..... Jackson, Tennessee
Parramore, Henry B. ..... Pensacola, Florida
Paschall, Larry L. ..... Puryear, Tennessee
Patterson, Linda ..... Bells, Tennessee
Patterson, Patsy Charlotte ..... Montezuma, Tennessee
Pearson, June Morre ..... Bells, Tennessee
Perkins, William D. ..... Jackson, Tennessee
Peters, Jerry Thomas ..... Jackson, Tennessee
Phillips, Francis Leon ..... Jackson, Tennessee
Phillips, Helen L. ..... Jackson, Tennessee
Phillips, Henry C. ..... Waynesboro, Tennessee
Phillips, Jennie L. ..... Jackson, Tennessee
Pitchford, Charles E. ..... Jackson, Tennessee
Pitt, Phillip R. ..... Nashville, Tennessee
Poe, Sue Hannah ..... Springville, Tennessee
Potter, David Paul ..... Union City, Tennessee
Powers, William Edgar ..... Columbus, Georgia
Presley, Virgil Moore ..... Trezevant, Tennessee
Price, Harvell M. ..... Trenton, Tennessee
Province, Charles E. ..... Jackson, Tennessee

Pruett, Emily Taylor ..... Jackson, Tennesse
Pruette, Linda E. ..... Malesus, Tennesse
Pruitt, Vaughan M. ..... Jackson, Tennesse
Radford, J. Glynn ..... Dresden, Tennesse
Rainey, Ramona J. ..... Los Gatos, Californ
Ramsey, Hugh Arthur ..... Dyersburg, Tennesse
Redden, Cherry Ann ..... Huntingdon, Tennesse
Rednour, Robert Charles ..... Wayne, Michiga
Reed, Marion R. ..... Jackson, Tennesse
Reid, Ronald E. ..... Mayfield, Kentuck
Reinhardt, James D. ..... Jackson, Tennesse
Rhodes, Sheila A. ..... Jackson, Tennesse
Roaten, Betty M. ..... New Orleans, Louisian
Roberson, Sarah Jane ..... Dyer, Tennesse
Roberts, Mary K. ..... Jackson, Tennesse
Rodriguez, Carlos E. ..... Jackson, Tennesse
Rogers, Linda G. ..... Luray, Tennesse
Rollins, Katherine F. ..... Medina, Tennesse
Rooks, Eleanor K. ..... Brownsville, Tennesse
Roote, David ..... Moultrie, Georgi
Rose, Bobby W. ..... Bradford, Tennesse
Rushing, Clarence A. ..... Jackson, Tennesse
Sartain, Lola June ..... Memphis, Tennesse
Scates, James Hilton ..... Memphis, Tennesse
Schaefer, Linda L. ..... Jackson, Tennesse
Scott, Nancy E. ..... Milan, Tennesse
Sherrod, David E. ..... Bells, Tennesse
Shock, Mary Stephen ..... Gideon, Missou
Siler, Cecille ..... Jackson, Tennesse
Sinks, Frances ..... Jackson, Tennesse
Slettvet, Betty ..... Mayfield, Kentuck
Smith, Joe F. ..... Jackson, Tennesse
Smith, Roberta L. ..... Bolivar, Tennesse
Smith, Samuel Joe ..... Jackson, Tennesse
Smith, Shelton L. ..... Decaturville, Tennesse
Smith, Sydney Lynn ..... Jackson, Tennesse
Smothers, Charles E. ..... Memphis, Tennesse
Snead, Larry G. ..... Obion, Tennesse
Spencer, Mary T. ..... Jackson, Tennesse
Springer, Martha L. ..... Memphis, Tennesse
Stallings, Martha Lynne ..... Halls, Tennesse
Stewart, Earline T. ..... Bemis, Tennesse
Summer, Carol Diane ..... Jackson, Tennesse
Tarpley, Christa R. ..... Jackson, Tennesse
Taylor, Robert C. ..... Jackson, Tennesse
Thomas, Anne ..... Bolivar, Tennesse
Thomas, Ralph ..... Jackson, Tennesse
Thomas, Robert H. ..... Alamo, Tennesse
Thomas, Vera Mae ..... Brownsville, Tennesse
Thompson, Donna L. ..... Lilbourn, Missou
Thompson, Karen Sue ..... Lilbourn, Missou
Thorne, Ruth Anne ..... Bruceton, Tennesse
Timberlake, Charles ..... Humboldt, Tennesse
Tisdal, William C. ..... Jackson, Tennesse
Tolar, James D. ..... Ridgely, Tennesse
Trader, Sharon L. ..... Trenton, Tennesse
Tubbs, Janet ..... Dyersburg, Tennesse
Tucker, Fred H. ..... Luray, Tennesse
Twilla, Sandra E. ..... Dyersburg, Tennesse
Turner, Herbert Lee ..... Jackson, Tennesse
Varble, Donald R. ..... Carrollton, Illinoi

ughan, Sarah Ellen ..... Dresden, Tennessee
alker, C. Michael ..... Dyersburg, Tennessee
alton, Charles E. ..... Caruthersville, Missouri
alton, Kay ..... Vandalia, Illinois
ard, Nancy E. ..... Jackson, Tennessee
eatherford, Beverly C. ..... Decaturville, Tennessee
hite, James Patrick ..... Medina, Tennessee
hitlow, Judy A. ..... Whiteville, Tennessee
illiams, Evert Joe ..... Jackson, Tennessee
illiams, Paul E. ..... Finley, Tennessee
illiams, Richard L. ..... Bemis, Tennessee
ilson, Doris H. ..... Henderson, Tennessee
ilson, Nancy T. ..... Lexington, Tennessee
ilson, Thomas Robert ..... Jackson, Tennessee
ingo, Yvonne M. ..... Martin, Tennessee
inslow, William Ralph ..... Jackson, Tennessee
right, Joseph A. ..... Shawneetown, Illinois
right, Mary Louise ..... Camden, Tennessee

Specials

llen, Timothy Carter ..... Trenton, Tennessee
llen, Juanita ..... Jackson, Tennessee
axter, Sarah K. ..... Jackson, Tennessee
ird, Gail N. ..... Lexington, Tennessee
obbitt, Jackie F. ..... Jackson, Tennessee
oen, Richard W. ..... Memphis, Tennessee
oyd, Pauline S. ..... Jackson, Tennessee
oyer, William E. ..... Beech Bluff, Tennessee
reedlove, Jimmy D. ..... Jackson, Tennessee
rittain, Elizabeth B. ..... Jackson, Tennessee
ush, James D. ..... Jackson, Tennessee
yrd, Garvalene P. ..... Jackson, Tennessee
aldwell, Elise J. ..... Jackson, Tennessee
hamplin, Robert M. ..... Miami, Oklahoma
heek, Annette S. ..... Jackson, Tennessee
heek, Caroyln A. ..... Jackson, Tennessee
lark, Bess P. ..... Jackson, Tennessee
limer, Donna Sue ..... Bells, Tennessee
oleman, Doris N. ..... Jackson, Tennessee
oley, Flora J. ..... Jackson, Tennessee
onner, James T. ..... Jackson, Tennessee
ovington, Virginia Kay ..... Jackson, Tennessee
ox, Sheila Elder ..... Jackson, Tennessee
avenport, Kay T. ..... Jackson, Tennessee
avid, Margaret Ann ..... Jackson, Tennessee
avidson, Ronnie W. ..... Paris, Tennessee
avis, Rhesa Ross ..... Memphis, Tennessee
eaton, Angelyn ..... Jackson, Tennessee
eaton, Virgil ..... Jackson, Tennessee
onald, Witt W. ..... Martin, Tennessee
ouglass, Carol W. ..... Jackson, Tennessee
owd, Gail G. ..... Jackson, Tennessee
Emerson, Eula L. ..... Jackson, Tennessee
Finch, Donald Lee ..... Union City, Tennessee
Garland, Juanita P. ..... Jackson, Tennessee
Gee, Jessie Guy ..... Jackson, Tennessee
Goad, Patricia A. ..... Jackson, Tennessee
Griggs, Joe O. ..... Ripley, Tennessee
Hamlin, Joyce M. ..... Corinth, Mississippi

Harris, Roy Leon ..... Jackson, Tennes
Highsmith, June G. ..... Springfield, Tennes
Holloman, Patricia A. ..... Jackson, Tennes
Jacobs, William T. ..... Toone, Tennes
Jones, A. Neal ..... Jackson, Tennes
King, Ronnie Joe ..... Medon, Tennes
Lane, Ronald A. ..... Jackson, Tennes
Layman, Helen ..... Lavinia, Tennes
MacPhail, Sue M. ..... Brownsville, Tennes
McClarty, Thomas Larry ..... Lilbourn, Misso
McDill, Ruth Love ..... Jackson, Tennes
Mason, Barbara J. ..... Spring Creek, Tennes
Naylor, Samuel ..... Bells, Tennes
Oller, Gary Wayne ..... Jackson, Tennes
Paris, Nellie B. ..... Jackson, Tennes
Perkins, William D. ..... Jackson, Tennes
Pickens, Joe Larry ..... Jackson, Tennes
Pierce, James L. ..... Union City, Tennes
Plahn, Mary Ann ..... Humboldt, Tennes
Pope, Doris V. ..... Jackson, Tennes
Propst, Robert H. ..... Jackson, Tennes
Rainey, Geraldine ..... Jackson, Tennes
Ramsey, Audrey ..... Jackson, Tennes
Ray, Dixie L. ..... Cedar Rapids, Io
Rea, George S., Jr. ..... Jackson, Tennes
Reed, Marion Rutherford ..... Jackson, Tennes
Roberson, Sarah J. ..... Dyer, Tennes
Roberson, Tom S. ..... Dyersburg, Tennes
Sewell, Martha V. ..... Jackson, Tennes
Smith, Charles B. ..... Jackson, Tennes
Smith, Dorothea A. ..... Jackson, Tennes
Smith, Thomas Franklin ..... Henderson, Tennes
Stone, Gladys I. ..... Jackson, Tennes
Swinney, James Paul ..... Henderson, Tennes
Taylor, Anne S. ..... Jackson, Tennes
Taylor, Sandra Neal ..... Jackson, Tennes
Tucker, Betty M. ..... Bemis, Tennes
Watson, Billy ..... Jackson, Tennes
Webb, Julian T. ..... Jackson, Tennes
West, Carolyn ..... Jackson, Tennes
Wingo, Charles H. ..... Jackson, Tennes
Winslow, Laura B. ..... Jackson, Tennes
Wright, James Giley ..... Jackson, Tennes

Accumulative Enrollment

1963-64

	Men	*Women*	*Tot*
Freshmen	128	108	236
Sophomores	98	89	187
Juniors	87	77	164
Seniors	57	49	106
Specials	35	48	83
Extension	21	19	40
Summer, 1963	40	50	90*
TOTAL	466	440	906

* Did not re-enroll in either regular term.

APPLICATION FOR ADMISSION TO UNION UNIVERSITY
for the Session 1964-65

Name (Mr. / Mrs. / Miss) _____
(First) (Middle) (Last)

Permanent Address _____
(Street or Rural Route) (City) (State)

Date of birth _____ Place of birth _____
(Month, Day, Year) (City) (State)

Race _____ Married or single? _____

Church membership _____ or preference _____

Graduate of _____ High School

located at _____ Date of graduation _____
(Day, Month, Year)

Have you attended college? _____

If so, where? _____ Give dates _____

When do you plan to enter Union University? _____

Father's name _____ Living? _____

Mother's name _____ Living? _____

Legal guardian, if not father _____

Occupation of father or guardian _____

Business address _____

I enclose $25.00 for room reservation.

I will ask the principal of the high school from which I graduated (or registrar of college attended) to send a copy of my record to the Dean of Union University. I understand that I cannot be formally accepted for admission until the transcript of my credits has been received and approved.

(Signature of Applicant) _____

_____
(Date)

This application should be addressed to
OFFICE OF THE DEAN, *Union University*
Jackson, Tennessee

UNION UNIVERSITY

Bulletin

1964
1965